1972 CATALOG NO. 72
SUPERSEDES CATALOG NO. 69, 69-1, 69-2,
SUPPLEMENT SHEETS 70-4, 70-6, 71-3

Cal-Van

QUALITY SPECIAL USE MECHANICS HAND TOOLS

55 NEW TOOLS

ELECTRONIC TOOL COMPANY/1400 Motor Dr./Fremont, Ohio 43420
Division of CHEMI-TROL CHEMICAL CO.

TOOL	PAGE
Air Chuck	56
Air Holds	19
Air Tools	56
Alternator Diode Tool	55
Alternator Current Indicator	28
Allen Wrenches	59
Awls	36, 57
Axle Puller and Adapters	44
Axle Rethreading Die	43, 50
Ball Joint Separator	23
Battery Service Tools	1, 2
Battery Tester	1
Bearing Cup Driver	24
Bearing Pullers	39, 44, 45
Bearing Splitters	41
Blades — Feeler Gauge	22
Blades, Hacksaw	25
Blow Gun	56
Body Dent Puller & Adapters	3, 44
Body Tools	3, 4
Brake Adjusting Tools	5, 6, 7
Brake Cylinder Hone	7
Brake Cylinder Clamps	7
Brass Hammer	26
Brushes	8, 9
Battery Post & Terminal	2
Distributor	9
Lamp Socket	9
Parts Cleaning	8, 9
Wire Wheel	8
Rotary Cleaning	9
Scratch	8
Bushing Driver Sets	55
Caliper — Inside-Outside	54
Carbon Scraper	32
Carburetor Tools	10
Clutch Aligning Tool	55
Coil Spring Compressor	24
Compressors, Piston Ring	16, 17
Compression Tester	12
Cotter Pin Puller	19
Creepers	11
Cylinder, Ridge Reamer	18
Cylinder, Glaze Breaker	18
Die, Axle Rethreading	43, 50
Dies, Rethreading	49, 50
Distributor Tools	10, 27, 30, 62
Door Handle Tools	4
Drills, High Speed	51
Driveway Signal Bells and Accessories	56
Engine Lift	20
Engine Service Tools	10, 12, 13, 14, 15, 16, 17, 18, 19, 20
Extractors, Screw	51
Feeler Gauges	21,22
Flaring Tools	58
Figure and Letter Stamps	36
Files, Thread Restoring	49
Gasket and Head Aligner	18
Gasket Punch Set	54
Gasket Scrapers	19
Gear Pullers	39, 42, 43, 45
Generator Current Indicator	28
Gauges	
Compression	12
Vacuum and Pressure	12
Thickness	21, 22
Hack Saws and Blades	25
Hammers	
Brass	26
Wheel Weight	37
Slide	44
Soft Faced	26
Wheel Cover	26
Harmonic Balancer Puller	40
Headlight Adjusting Tool	52
Hone, Brake Cylinder	7
Hose Clamp Plier	37
Impact Wrench	60
Ignition Tools	26, 27, 28, 29, 30, 31
Knives	32
Leak-Check	13
Letter and Figure Stamp Sets	36
Lock Ring Plier	37
Magnet Pick up Tools	33
Magnet Screwdrivers	52
Mechanical Fingers	33
Metal and Muffler Cutter	35
Metal Marking Tools	36
Mirrors, Inspection	34
Muffler Service Tools	35
Neon Timing Light	12
Nut Splitter	35
Oil Line Punch	20
Oil Filter Wrenches	13
Oil Filter Gasket Scraper	19, 32
Parts Cleaning Brushes	8, 9
Phillips Screw Drivers	52, 53
Phillips Screw Starters	53
Piston Ring Compressor	16, 17
Piston Ring Expander	17
Piston Ring Groove Cleaner	17
Pitman Arm Pullers	23, 41
Pliers	37, 38
Pullers	1, 2, 3, 14, 23, 39, 40, 41, 42, 43, 44, 45
Putty Knives and Scrapers	32
Reamers	46, 47, 48
Ridge Reamers	18
Ring Compressors	16, 17
Ring Groove, Cleaner	17
Rocker Arm Oil Deflector	20
Rule	54
Scrapers, Gasket and Carbon	19, 32
Screw Drivers, Phillips	52, 53
Screw Drivers, Slotted	52
Screw Drivers, Magnet	52
Screw Extractors	51
Screw Starters	53
Scribe Tools	36
Seal Installer	13
Shock Absorber Tool	24
Seal Puller	3, 44
Short Circuit Detector	28
Signal Bells	56
Slide Hammer Pullers	3, 44
Snap Ring Pliers	38
Socket Holders	59
Spark Catcher	30
Spark Plug and Ignition Testers	29
Spark Plug Gapping Tools	21, 27
Spark Plug Gauges	21, 22, 27
Spark Plug Lead Plier	27
Spark Plug Thread Chaser	27, 49
Spring Compressor	24
Spring Pressure Tester (SPT)	61
Starter Switch	29
Starter Current Ind.	28
Steering Wheel Pullers	40, 45
Stethoscope	19
Stud Remover	39
Tail Light Remover and Brush	9
Tail Pipe Remover	35
Tail Pipe Expander	35
Taps and Dies — Rethreading	27, 43, 49, 50
Test Lead Kit	27
Testers	
Battery	1
Circuit	28, 29
Continuity	29
Short Circuit	28
Spark Plug	29
Vacuum and Fuel Pump	12
Compression	12
Thickness Gauges	21, 22
Thread Restoring Files	49, 50
Tie Rod Spreader and Puller	23, 39
Timing Gear Puller	39
Timing Light, Neon	12, 30
Tire Tools	56, 57
Torque Wrenches and Accessories	61
Tube Cutter	58
Universal Joint Tool	41
Universal Wheel Puller	41
Upholstery Tool	4
Upper Rear Main Seal Installing Kit	13
Valve Guide Cleaner	18
Valve Guide Reamer	46
Valve Spring Tester (SPT)	61
Vacuum and Fuel Pump Tester	12
Wheel Cover Remover and Installer	26
Wheel Weight Installer	37
Wheel Weight Pliers	37
Windshield Wiper Arm Tools	4
Wire Stripper	30
Wrenches	30
Allen (Hex)	59
Brake Bleeder	5, 62
Distributor	62
Fan Blade	20
Flare Nut	59
Ignition Set	61
Impact	60
Oil Filter	13
Ratcheting Box	60

BATTERY CARRIERS

No. 540. Made of acid-proof, rib-molded, non-slip, vinyl plastic. Patented self-locking jaws. Ideal for carrying 6 and 12 volt batteries. Length — 17″.

No. 541. Same as above, except 24″ long. Designed for 12 and 24 volt batteries.

No. 540

No. 541

BATTERY FILLER

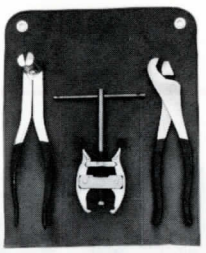
No. 546. A straight tip, hard rubber, long nozzle-type filler, with positive leakproof action. Made of high quality synthetic rubber to resist acid action and retain shape. Standard Pack — 12.

No. 546

BATTERY SERVICE KIT

No. 550. Popular service kit includes our No. 547 plier, No. 548 terminal puller and 549 terminal spreader and cleaner. Packaged in heavy duty pocket-size plastic pouch.

No. 550



HARD TOP BATTERY CELL TESTER

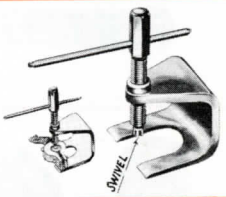
No. 545. Designed to test true voltage content of each cell on automotive batteries. Special replaceable metal probes resist rust and corrosion. Probes fit into rubber case when not in use. Easy read dial — permanently calibrated. No accumulative reading necessary. No technical knowledge required to use. Attractive, lightweight and economical. Actual size 2¾″ x 5½″.

No. 545
SKIN-PACK

BATTERY TERMINAL PULLER

No. 34. This drop forged, alloy, heat-treated tool is especially designed to pull the battery cable from the post. Insert jaws under the terminal, turn "T" handle, and the cable is loose. Individually packaged. Cadmium plated.

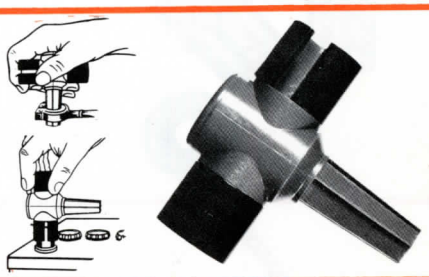
No. 34



BATTERY MATE

No. 555. This tool eliminates the main cause of battery failure — the poor connection between cable clamp and battery terminal post. This tool will put the correct angle with smoothly-polished finish on terminal clamps and batterp posts. Six bladed tapered reamer for terminal clamps. Two spring steel reamers for battery post — small reamer for negative post — large reamer for positive post.

No. 555
SKIN-PACK



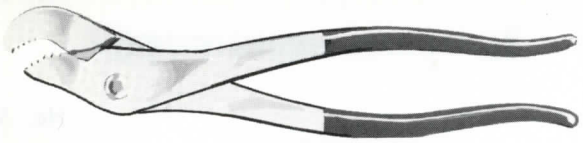
NEW

BATTERY CARRIER

No. 542. Used to remove and replace Delco batteries currently on all new GM cars or other batteries with side terminals instead of posts. Works under all conditions without damage to the battery or the mechanic. One size fits all batteries, including post batteries.

No. 542

NEW



No. 547
SKIN-PACK

BATTERY PLIER

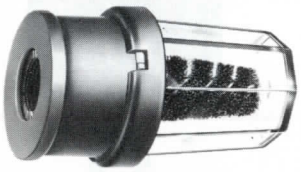
No. 547. A powerful self-gripping battery plier designed to give maximum leverage. May be used on square, hex or round parts. The tapered nose permits use in cramped areas. Forged and heat treated — 7½" long.

No. 549
SKIN-PACK

TERMINAL CLAMP SPREADER

No. 549. Spread the battery clamp and clean inside area in one operation. Terminal cleaner on handle used to remove corrosion from terminal to insure positive electrical contact. Forged and heat treated — 7½" long.

No. 551
SKIN-PACK



BATTERY POST & TERMINAL CLAMP BRUSH
(Plastic case)

No. 551. Heavy duty battery post and clamp cleaning brush for fast efficient cleaning of terminal connections. Plastic case prevents grounding.

No. 552
SKIN-PACK

BOOSTER CABLE CLAMPS

No. 552. Replacement clamp for battery booster cables. Heavy gauge steel, copper plated. Positive spring clamp action. Two plastic handles included.

No. 552R. Red handles.

No. 552B. Black handles.

No. 553
SKIN-PACK

BATTERY POST & TERMINAL CLAMP BRUSH
(Metal case)

No. 553. Heavy duty battery post and clamp cleaning brush in metal case. More compact than plastic model, but made to same quality standards.

No. 548
SKIN-PACK

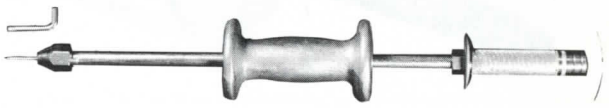
BATTERY TERMINAL AND BEARING PULLER

No. 548. This battery terminal clamp puller is of the two jaw design for removing badly corroded battery cable clamps and small generator bearings. The jaws are designed to grip below the cable clamp.

BODY DENT PULLER (TRANSMISSION SEAL REMOVER)

No. 495. Punch or drill a hole in the deepest part of the dent, and insert the self-threading screw. A few light raps with the sliding hammer, and you can return the metal to its original position. Shaft is ½"-20 with locking device to keep screw from turning.

This tool supplied with a hardened right angle hook that threads into the nose bolt of the slide hammer. This hook is used to remove transmission oil seals by inserting hook behind seal and using the slide hammer to drive seal out.



No. 495

SWIVEL ADAPTER FOR NO. 495

No. 494. Swivel adapter for No. 495 Body Dent Puller. Allows body man to pull dents in areas where straight away pull is impossible. Inside panels, under fenders, body panels, etc. Threaded ½" x 20".

No. 494
SKIN-PACK

HOOK ADAPTOR FOR NO. 495

No. 491. Made to use with the No. 495 Body Dent Puller. Ideal to pull dents in tight places, such as, headlights and raindrains. Also, to remove small gears, bushings, cups and seals. Forged from high alloy steel and heat-treated to withstand the impact. 4½" overall length — ½" x 20 threads.

No. 491
SKIN-PACK

DENT PULLER ADAPTER

No. 596. This adapter is used with No. 495 and No. 595 dent pullers. Fits ½" shaft x 20 thread, to be used with Spike Screw.

No. 597. This adapter is used with No. 495 and No. 595 dent pullers. Fits ½" shaft x 20 thread, to be used with Magic Tip Screw.

NEW

No. 596
SKIN-PACK

No. 597
SKIN-PACK

DENT PULLER SPIKE SCREW

No. 598. This patented metal piercing spike screw eliminates any pre-drilling. Taper on full length of screw lets you grip metal again and again on those tough jobs. Made of alloy steel, 3" O.A.L. ⅜" x 24 fine thread. Use with adapter No. 596 on dent pullers No. 495 and No. 595.

NEW

No. 598
SKIN-PACK

MAGIC TIP SCREW

No. 599. This patented magic tip screw eliminates hole distortion by giving positive holding power. Made of tough alloy steel, 2½" O.A. ½" x 13 coarse thread. Use with adapter No. 597 on dent pullers No. 495 and No. 595.

NEW

No. 599
SKIN-PACK

BODY DENT PULLER

No. 595. Spike Screw Body Dent Puller. Simply punch hole with self-piercing spike. Screw spike into hole, use slide hammer action to remove dent, one continuous operation. Complete with No. 598 Spike Screw and No. 596 Adapter.

NEW

No. 595

ALIGNMENT BAR

No. 695. The alignment bar makes body shop tough jobs easy with adequate leverage needed to straighten doors, bumpers, fenders, hoods, etc. Rubber padded foot, quality steel, sturdily built to do the rugged job. Multiple linkage adjustments for more leverage. 42" O.A. length.

NEW

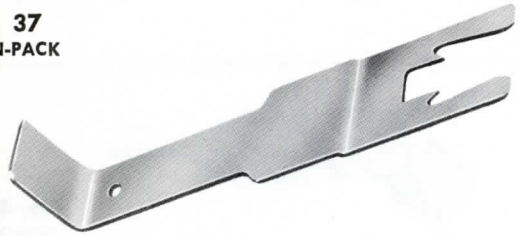
No. 695

No. 36
SKIN-PACK

DOOR HANDLE TOOL

No. 36. Manufactured from a high grade heat-treated steel. Designed for the release of the spring clip on late model Chrysler products, including Lancer and Valiant. The raised edge engages with the spring clip retainer by a forward movement and handle is released for removal. Cadmium plated.

No. 37
SKIN-PACK



DOOR HANDLE CLIP REMOVER

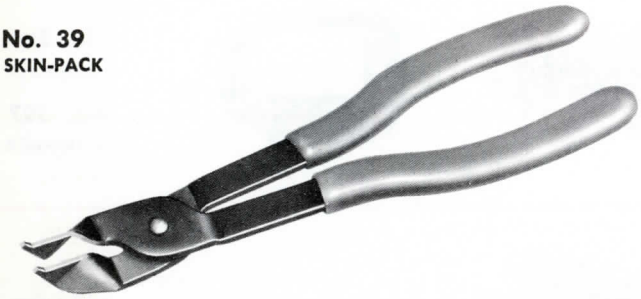
No. 37. Designed with extra length and off-set body for use on most G.M. & Ford cars, will not damage upholstery. Cadmium plated.

No. 35
SKIN-PACK

DOOR HANDLE CLIP REMOVER

No. 35. Designed to work on all Ford and GM cars and trucks. The longer thinner — but stronger — jaws make this the most efficient and economical door handle tool on the market today. Cadmium plated.

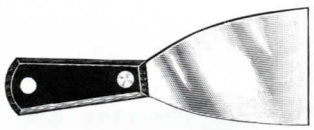
No. 39
SKIN-PACK



BEZEL NUT & ANTENNA NUT PLIERS

No. 39. Controls usually found on instrument panels, such as light, wiper and ignition switches, are held in place by a bezel nut. Using these new bezel nut pliers, the mechanic can easily loosen or tighten such nuts and usually without removing the control knobs. This plier-type design and shape of the gripping points allows the tool to be used on all sizes of bezel nuts. Handles covered with red plastic grips.

No. 355
SKIN-PACK



3" PUTTY KNIFE — FULL-FLEX

No. 355. Tempered full-flex blade extends through handle for extra strength. Ideal for applying body filler, because the body filler will not adhere to the plastic handle. Grease resistant, riveted plastic handle with eyelet.

No. 53
SKIN-PACK

CAR DOOR UPHOLSTERY REMOVER

No. 53. This perfectly balanced alloy forged tool is a "must" for every General Motors car, and others. Attached to an amber fire resistant plastic handle, with a bright plated blade, this instrument removes the upholstery clips in just a few seconds. $\frac{5}{16}$" x 8" overall.

No. 50
SKIN-PACK

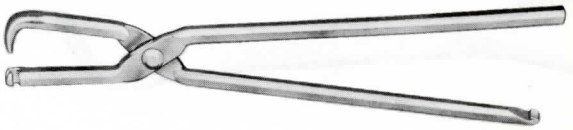
WINDSHIELD WIPER ARM PULLER AND INSTALLER

No. 50. This universal tool will remove and install all makes and models of windshield wiper arms. This includes the G.M. disappearing arm. No prying, no scratched or chipped paint.

BRAKE SPRING PLIER

No. 59. The slotted arm guides the spring hook into position in the anchor hole. End of handle is used to fasten post anchor type springs. Sturdy, for durability and leverage. 12″ overall length. Cadmium plated.

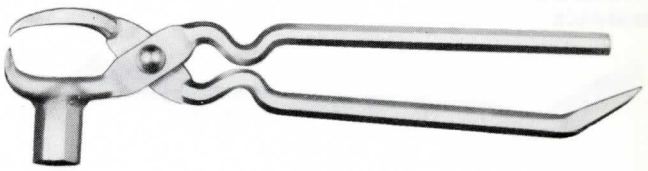
No. 59
SKIN-PACK



WHEEL WEIGHT BALANCER PLIER

No. 254. Here is a strong alloy, heat-treated tool, designed for hard usage. It is balanced, and heavy enough to swing like a hammer. The points are sharp, and well tempered. Will not pinch your hand. Cadmium plated.

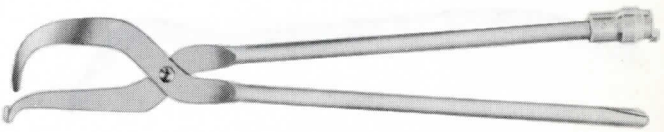
No. 254
SKIN-PACK



BRAKE SPRING PLIER

No. 267. Designed by and for professional brake mechanics. Thin narrow points with "straight-in-line" pull on spring. Forged alloy steel, chrome plated, heads polished. Includes special socket for full coverage of all mechanical and hydraulic brakes. Removes and replaces springs. 13½″ long.

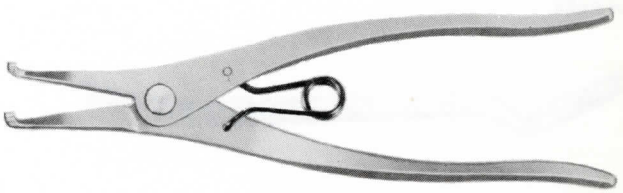
No. 267
SKIN-PACK



LOCK RING PLIER

No. 268. Designed to spread snap rings of all types used on brakes, transmissions, etc. Nose deeply serrated for firm grip. Tempered alloy steel with wide comfortable handles. Chrome plated. 7⅝″ long.

No. 268
SKIN-PACK



BRAKE SPRING COMPRESSOR

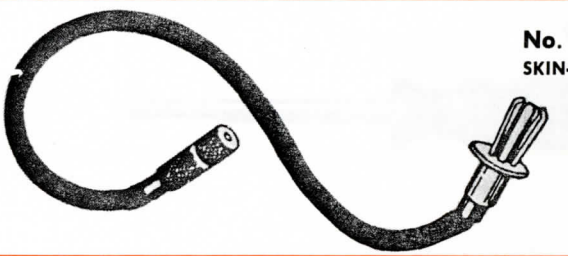
No. 269. Place the tapered end of the Tool on the steel cup: Then place index finger of other hand on head of pin located on rear of back-up plate. Push in on Tool until arrow head of pin is uncovered: turn tool one quarter turn: release pressure; the cup will come off with the spring. Works every time.

No. 269
SKIN-PACK

ONE MAN BRAKE BLEEDER

No. 274. This tool may be used to bleed wheel cylinders one at a time. By using four bleeders one on each wheel, all cylinders and lines can be bled in one operation. A real time saver. Complete use instructions on back of card.

No. 274
SKIN-PACK



BRAKE BLEEDER WRENCHES

No. 271. Works on all brakes including Chrysler products — ⅜″ to bleed brake line, 7/16″ to complete brake adjustment.

No. 275. Speeds brake work. ¼″ hex opening for compact cars. ⅜″ hex socket for conventional cars and trucks. Vent hole in socket end permits line to be bled without removing tool from bleeder screw.

No. 276. For Chevrolet, Ford and Lincoln with ball joint suspension. 5/16″ socket fits bleeder screw cap, ⅜″ socket with special vent hole fits turning screw.

No. 271
SKIN PACK
No. 275
SKIN-PACK
No. 276
SKIN-PACK

No. 272
SKIN-PACK

CHEVROLET BRAKE SPOON

No. 272. Small brake spoon for late model Chevrolet cars and others similarly equipped with narrow brake drum slots. 7″ long cadmium plated.

No. 273
SKIN-PACK

BRAKE SPOON

No. 273. Fits all brakes, except Chevrolet. One end square cut, the other end tapered 22° for added reach. Hex stock, forged heat-treated, cadmium plated.

No. 278
SKIN-PACK

UNIVERSAL BENDIX BRAKE ADJUSTER

No. 278. Adjusts brakes on Corvair, Chevrolet and Buick. (Standard end). Modified end adjusts all ordinary Bendix Brakes because it clears the lower control arm of the ball-joint suspension. It reaches blind locations. Provides lots of leverage in close places.

No. 279
SKIN-PACK

BENDIX BRAKE ADJUSTMENT TOOL

No. 279. For late models with rubber plugs. Insert prong under plug, lift plug, and leave it securely held between prongs, while adjusting brake with lever end of tool. 3/8″ octagon alloy stock. 8¼″ long. Cadmium plated.

No. 280
SKIN-PACK

NOTCHED BRAKE SPOON

No. 280. Used for adjusting Bendix, Huck and other hydraulic brakes. Both ends notched to work without slipping on cars having narrow type adjusting nut. Bent at correct angle to clear body and frame.

No. 277
SKIN-PACK

BRAKE SHOE RETAINING SPRING TOOL

No. 277. For Comets, Falcons and Valiants and other compacts using similar springs. Special end easily disengages spring from retainer washer on inside of drum. Special shoulder prevents setting spring by over stretching. OAL 6″. Large comfortable handle.

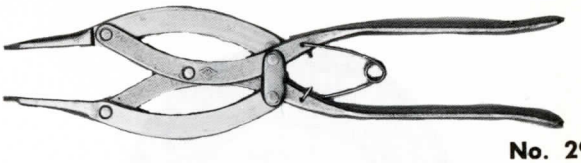
No. 295
SKIN-PACK

"DOUBLE LIFE" BRAKE SPRING TOOL

No. 295. For Bendix and other brakes using a spring that hooks over a post. Double life — due to hard usage — the hardened, grooved lip wears out first. When this happens — remove the groove pin, turn the head around — and you have a new tool.

PARALLEL JAW LOCK RING PLIER

No. 291. New design allows larger spread of jaws to 1⅛". Plier shape provides maximum working clearance. Strong thin nibs have square dimple to hold lock ring. Smooth, parallel action.



No. 291
SKIN-PACK

GREASE CAP PULLER

No. 293. An indispensable tool in every service station and auto repair shop. Slip notched arm over the flange on grease cap — drop hinged jaw behind flange: slide cap off with light pressure to either side.

No. 293
SKIN-PACK

BRAKE CYLINDER HONE

No. 362. The finest 'full range' hone on the market covers sizes from ¾" to 2". Special features include — controlled pressure, one size and type stone for all work — hones clear to the end in step-cut and blind end cylinders. Flexible shaft for easy use right on car.

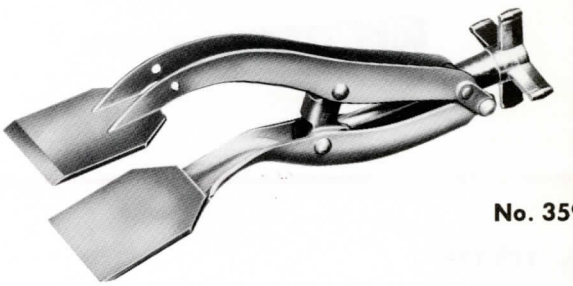
No. 363. Replacement Stones for No. 362. Stones also fit Lisle, Ammco, Snap-on and K-D Hones.

No. 362
SKIN-PACK

No. 363
SKIN-PACK

DISC BRAKE CYLINDER COMPRESSOR

No. 359. A specially designed tool for fast removal and servicing disc brake calipers on all automobiles equipped with Budd type disc brakes. An essential tool for removing and disassembling calipers. Complete with instructions.

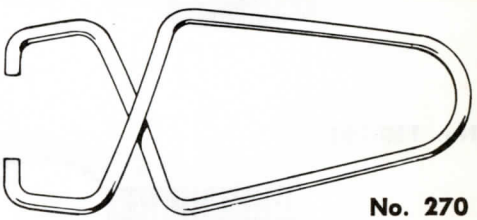


No. 359

BRAKE PISTON CLAMPS

No. 270. For all passenger cars and trucks having double-end pistons. Quickly applies pressure on brake cylinder pistons. Instantly adjusts to any size brake cylinder. Range 1⅛" to 3¼". Sturdy spring steel, ample tension. Set of 2 clamps.

NEW



No. 270
SKIN-PACK

DISC BRAKE CALIPER HONE

No. 358. This hone is equipped with special size fine grit stones to hone disc brake calipers providing the diameter of the bore is not increased over .002 inch. A baffle disc should be installed in the caliper when honing to protect the stones from damage. After honing is completed clean all dust and dirt by flushing caliper with alcohol. Adjustable tension, capacity ¾" to 2½".

No. 358-1. Replacement stones (3) — Skin Pack

No. 358-2. Baffle Discs (3) — 1⅝" - 2" - 2⅜"

No. 358
SKIN-PACK

CRIMPED WIRE WHEEL BRUSHES

Made from a heavy fill or high tensile oil tempered coarse wire. Accurately trimmed to assure even buffing and cleaning.

HEAVY DUTY (3 Sections)

Number	Overall Diameter	Face Width	Arbor Hole	Max. Free Speed RPM
170	4¼	¾	⅝ - ½	4500
171	6	13/16	⅝ - ½	4000
172	8	1	⅝ - ½	3500

STANDARD DUTY (2 Sections)

Number	Overall Diameter	Face Width	Arbor Hole	Max. Free Speed RPM
174	6	1⅛	⅝ - ½	4000
175	8	1¼	⅝ - ½	3500

No. 265

ECONOMY PARTS CLEANING BRUSH

No. 265. Taper cut 3″ fiber bristles vulcanized in rubber. Secured to 10″ wooden handle. For use in gasoline only. 12 per box.

No. 266

STANDARD PARTS CLEANING BRUSH

No. 266. Flat cut 3″ bristles vulcanized in rubber and metal banded to 10″ wooden handle. May be used in all parts cleaning solvents. 12 per box.

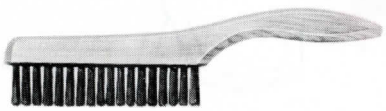
No. 178-179

HAND SCRATCH BRUSHES

No. 178. 14″ overall length. 6″ brush length. 3 x 19 rows of bristles — 1¼″ long. Economy scratch brush for cleaning carbon, paint and dirt from metal surfaces.

No. 179. Deluxe hand scratch brush. 14″ overall length 6″ brush length. 4 x 19 rows of bristles — 1¼″ long. For heavy duty cleaning of metal and masonry surfaces.

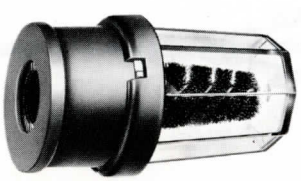
No. 180-181



No. 180. Shoe handle scratch brush. Ten inches overall length. 5½″ brush length. 2 x 16 rows of bristles — 1¼″ long.

No. 181. Shoe handle scratch brush. Ten inch overall length. 5½″ brush length. 4 x 16 rows of bristles — 1¼″ long.

No. 551
SKIN-PACK



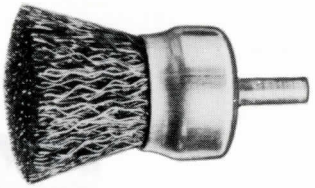
BATTERY POST & TERMINAL CLAMP BRUSH

(Plastic case)

No. 551. Heavy duty battery post and clamp cleaning brush for fast efficient cleaning of terminal connections. Plastic case prevents grounding.

ROTARY CARBON CLEANING BRUSH

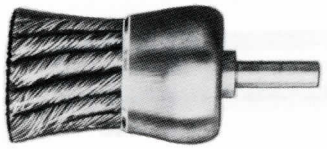
No. 176. Crimped wire — 1″ solid brush end. Heavy fill of .020 crimped wire. ¼″ shank, ⅞″ long for use in electric drill or flexible shaft equipment. Safe use speed 8,000 RPM.



No. 176
SKIN-PACK

ROTARY CARBON CLEANING BRUSH

No. 177. Spiral twist cable-like wire, each strand .020. Hollow, 1″ diameter end, for heavy duty use on rust, paint, carbon, etc.



No. 177
SKIN-PACK

PREMIUM NYLON PARTS CLEANING BRUSH

No. 264. 100% "Tynex" nylon cleaning brush for use in oil, gasoline, turpentine and other cleaning solvents. 3″ bristles are chisel trimmed and mounted in seamless steel ferrel and securely fastened to 10″ wooden handle. Individually skin packed.

No. 264
SKIN-PACK

DISTRIBUTOR BRUSH

No. 169. This brush designed to clean dirt, rust and corrosion from the sockets in distributor caps. This allows for better contact with ignition wiring and better engine efficiency.

No. 169
SKIN-PACK

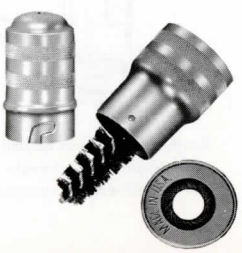
TAIL LIGHT REMOVER & CLEANING BRUSH

No. 142. Broken or corroded taillights, stop-lights, back-up lights or turn signal lights can be removed in seconds with this time saving tool. The thin edge of the slotted end is inserted between socket wall and base of the broken bulb. A twist of the handle then frees and unlocks the bulb base. To clean corroded sockets use the wire brush attached at the other end.

No. 142
SKIN-PACK

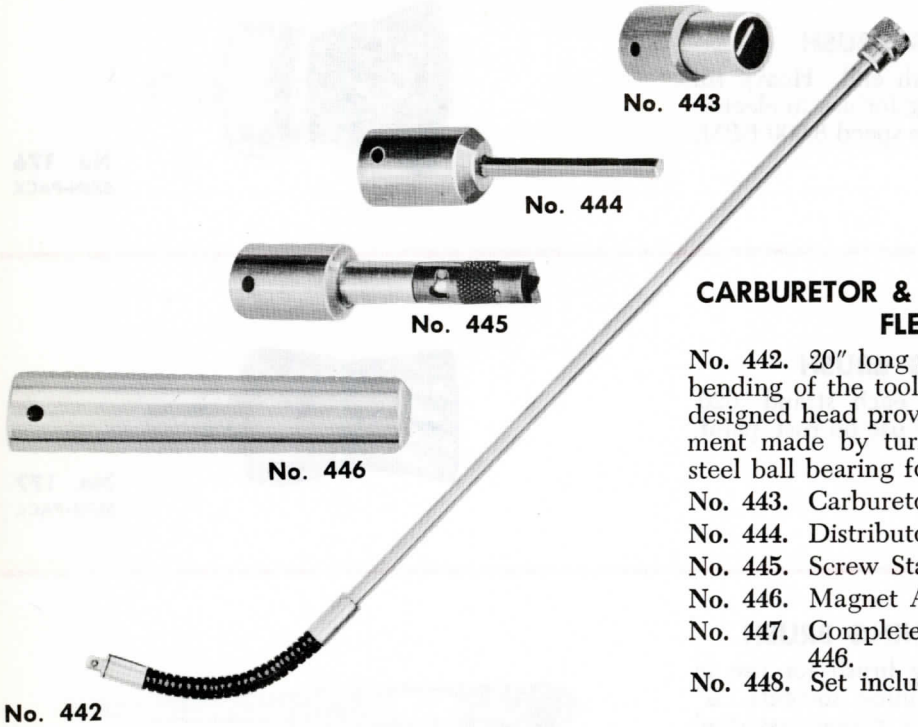
BATTERY POST & TERMINAL CLAMP BRUSH
(Metal case)

No. 553. Heavy duty battery post and clamp cleaning brush in metal case. More compact than plastic model, but made to same quality standards.



No. 553
SKIN-PACK

CARBURETOR TOOLS



CARBURETOR & DISTRIBUTOR ADJUSTING TOOLS FLEXIBLE SHAFT

No. 442. 20″ long shaft with 3″ flexible portion, to permit bending of the tool to reach inaccessible locations. Special designed head provides for self location. Finger tip adjustment made by turning drive knob. Has ¼″ drive, with steel ball bearing for attachments.

No. 443. Carburetor Attachment for No. 442.

No. 444. Distributor Attachment for No. 442.

No. 445. Screw Starter Attachment for No. 442.

No. 446. Magnet Attachment for No. 442.

No. 447. Complete Set, includes Nos. 442, 443, 444, 445, 446.

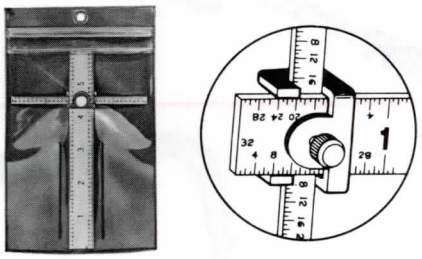
No. 448. Set includes Nos. 442, 443, 444.

No. 466
SKIN-PACK

CARBURETOR ADJUSTING TOOL

No. 466 Piloted screw driver set at right angle, with positive gear drive to eliminate back lash error in making carburetor adjustments. 18″ long.

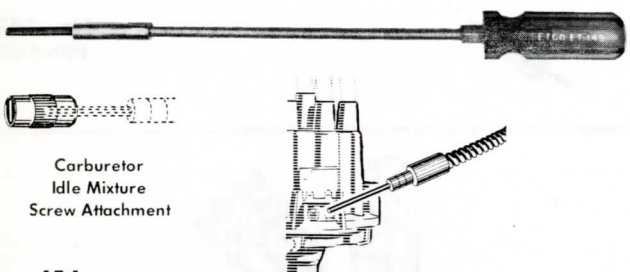
No. 459
SKIN-PACK



UNIVERSAL CARBURETOR GAUGE

No. 459. All carburetors require three exact adjustments: float level, float drop, and pump rod. This tool handles all of them. Made of stainless steel and designed to provide full visibility of both scales. Packaged in plastic pouch.

Clevis Design Gives Full Visibility Of Both Scales Which Is Essential When Setting Gauge To Exact Spec.


Carburetor
Idle Mixture
Screw Attachment
Easily reaches and adjusts contact points (or needle valves) with engine running!

No. 454
SKIN-PACK

No. 456
SKIN-PACK

COMBINATION DISTRIBUTOR & CARBURETOR ADJUSTING TOOL

No. 454. The ⅛″ Hex bit is used for Delco-Remy external adjustment distributors. The non-slip hooded screw driver adapter is used to adjust carburetors where obstructions hamper visual observation or the use of a regular screw driver. Constructed of "non-kink" flexible steel shaft, shock resistant plastic handle, hardened steel hex bit.

HOODED SCREW DRIVER ATTACHMENT FOR NO. 454

No. 454A. Hooded carbuetor screw driver attachment only.

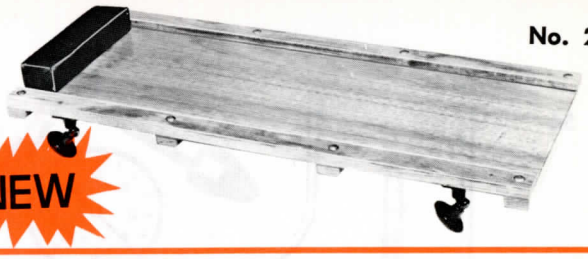
DISTRIBUTOR ADJUSTING TOOL

No. 456. Same design as 454, but without 454-A hooded carburetor screw driver attachment.

ECONOMY CREEPER

No. 205. Made with four cross members. Frame of top quality hardwood. Plywood bed with fully padded headrest. 36″ long, equipped with cast iron swirl rollers. Packed six (6) per carton.

NEW



No. 205

AUTO CREEPER

No. 210. Light weight. Sturdy swirl roller creeper. Frame made of top quality clear kiln dried oak with strong, plywood platform. 3″ cast iron swirl rollers, 15″ x 36″ platform with plastic covered padded head rest. Packaged 2 per carton.

No. 210

HEADS UP CREEPER

No. 211. The new heads up creeper raises head and shoulders to comfortable working height on hinged 11″ x 16″ back rest. Adjustable to 6 different positions. Light weight, rolls easily on 3″ cast iron swirl rollers. Packaged 2 per carton.

No. 211

CREEPER SEAT

No. 209. Here is a time-saving, sturdy easy-to-use mechanic's seat for those tiresome jobs. Plenty of space on platform for tools. Equipped with easy rolling 3″ Swirl rollers. Height — 12″; Seat — 7″ x 14″; Platform — 15″ x 15″.

No. 209

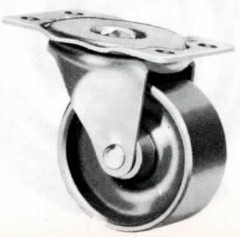
SWIRL ROLLERS

No. 208. Equip your cabinets, benches, old creepers, etc., with the modern Swirl rollers of cast iron with sealed lubricant, for replacement on all creepers with flat top bracket. Packed in attractive counter display carton.
PACKAGED 4 PER BOX.

No. 208

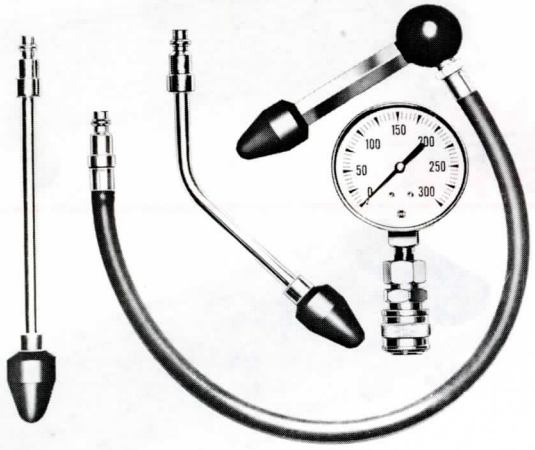
AUTO CREEPER CASTER

No. 200. Low overall height is made possible in the No. 200, by recessing the large ball bearings in a curved raceway in the top of the caster horn. 2″ in diameter, 2½″ in height, 1″ tread width, size of top plate — 1⅞″ x 2⅝″.
PACKAGED 4 PER BOX.



No. 200

No. 56



ENGINE COMPRESSION TESTER KIT W/ATTACHMNETS

No. 56. This compression tester fits all cars. Has quick release air tight coupling for changing adapters. Gauge has unbreakable dial, graduated 0 - 300 lbs. Master stem has 18" long heavy duty flexible hose with ball grip. Other adapters include 7½" straight stem and 8" — 45° offset stem. Shipped in metal storage box with instructions.

No. 55
SKIN-PACK

ENGINE COMPRESSION TESTER

No. 55. Indicates maximum compression of each cylinder — Large 2½" diameter dial graduated 0-300 lbs. Unbreakable crystal. Offset gauge stem has rubber cone type universal fitting that seats in all spark plug holes.

No. 57
SKIN-PACK

NEON TIMING LIGHT

No. 57. This timing light may be used to check timing on 6, 12 and 24 volt systems. Easy-to-follow instructions included with each tool. Light guarded by impact resistant plastic case.

No. 58
SKIN-PACK

FLEX-DRIVE COMPRESSION TESTER

No. 58. Heavy duty flexible drive easily withstands torque, abrasion, oil and heat. Gets around all obstructions, such as power steering, power brake, air-conditioning units and manifold. Check valve at the very bottom of fitting. Reversible stem for 14 MM and 18 MM spark plug holes including long reach plugs. Quick release side valve. Gauge range to 300 lbs.

No. 76
SKIN-PACK

VACUUM & FUEL PUMP TESTER

No. 76. Large dial indicates to 30 inch vacuum and 7 pounds pressure — check for leaky valves, timing, fuel pump vacuum and pressure, gas line leakage, etc. Gauge has easy-to-read graduation and is equipped with 4' of high quality rubber hose — with taper vacuum fitting. Complete operating instruction manual included.

OIL FILTER WRENCH

No. 13. Use with 3/8" drive extension and ratchet. Ideal for removing filters that are inaccessible with handle type filter wrench. Made of quality steel. Riveted construction and tested to stand over 100 ft. lb. pressure.

No. 13
SKIN-PACK

OIL FILTER WRENCH FOR SUB-COMPACTS

NEW

No. 11. For use on Mini-Foreign made cars with oil filters within the range of 2 7/8" - 73 MM diameter to 3 3/8" - 85 MM diameter.

No. 11
SKIN-PACK

HEAVY DUTY OIL FILTER WRENCH

No. 14. Designed to remove all disposable oil filters from cars and trucks. Positive friction grip with enough leverage to exceed normal requirements. Will not puncture or crush filter. Operates in close quarters.

No. 14
SKIN-PACK

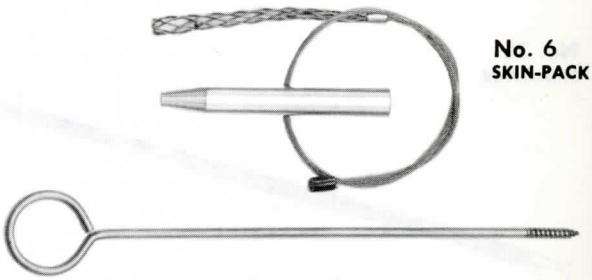
OIL FILTER WRENCH

No. 15. Of new improved design this tool provides for sure easy replacement of cartridge type oil filters. Will not slip on oily surfaces.

No. 15
SKIN-PACK

REAR MAIN BEARING SEAL EXTRACTOR AND INSTALLER

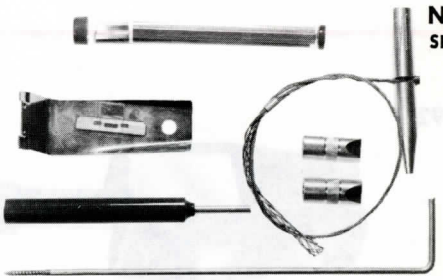
No. 6. A great time saver for removing and installing a new seal without removing engine or crankshaft.



No. 6
SKIN-PACK

UPPER REAR MAIN SEAL INSTALLATION KIT

No. 7. This handy kit eliminates the need to remove engine or crankshaft when replacing either wick or neoprene upper rear main bearing oil seals . . . saves as much as two hours per job. Comes complete with worn seal extractor, stainless steel "Chinese Finger" seal installer, two sizes of compressing guide funnels, packing punch, trimming knife, curve chaser die and self aligning flat steel chaser.



No. 7
SKIN-PACK

LEAK-CHECK

NEW

No. 560. Spots and locates combustion leaks quickly in cracked or warped heads, leaky gaskets or cracked blocks. Use Leak Check in the radiator opening with engine idling — the blue test liquid will turn yellow in 60 seconds if there is a combustion leak, no matter how small. Get exact location of leak by disconnecting one spark plug at a time and retesting — accurate, visable proof of leak. Complete kit. Additional test fluid available — No. 560-1.

No. 560

No. 580

VALVE SPRING COMPRESSOR FOR COMPACTS, FOREIGN CARS, AND SMALL ENGINES

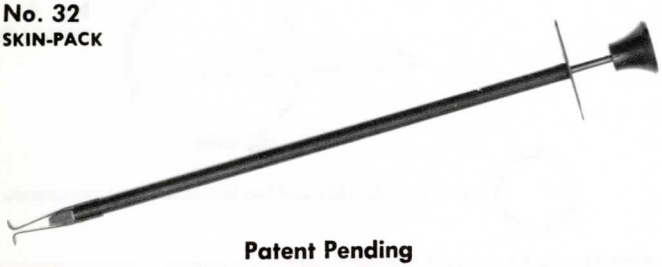
No. 580. No. 580 is for ⅞" to 1½" springs in L-head and valve-in-head work. A versatile, light yet extremely rigid cam locking "C" clamp with powerful leverage. Clamp release tension is controlled by one hand, frees other hand for easy, safe replacing of split locks. For L-head work use 575-1 straight jaws and a split lock replacer when needed. Supplied with 575-2 high offset jaw. Size: Height 7¼", width 6¼".

No. 573
SKIN-PACK

VALVE SPRING COMPRESSOR

No. 573. A new, easy way to remove valve spring keepers and springs without removing the head. This valve spring puller has four-way adjustment to fit any spring and make compressing and pulling valve springs an easy, one-man operation. All wearable parts are case hardened.
Simply adjust jaws to slip over spring — fit jaws into spring coils — turn compressor screw down until spring is compressed — remove valve keeper and spring — leave spring compressed in tool until ready for re-installation.

No. 32
SKIN-PACK



Patent Pending

HYDRAULIC VALVE LIFTER PULLER

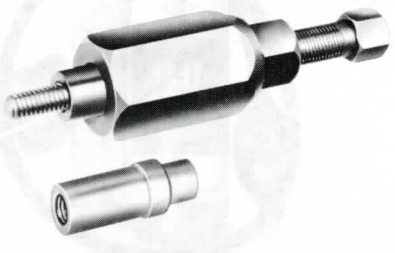
No. 32. This valve lifter tool is specially designed to go down through the push rod holes and expand inside the lifter and to pull lifter out of the bore. Complete instructions included.

No. 192

PULLEY PULLER

No. 192. This tool is designed and built to give you positive pulling power to remove pressed-on one or two groove pulleys on Alternators and Power Steering Pumps . . . will also remove Alternator Bearings. The attached jaws fit over the flange and are locked into position by adjusting thumb screws. Turning down on the center pressure screw produces a powerful, equally distributed pulling force. There are no loose parts on this tool to get lost or misplaced.

No. 193

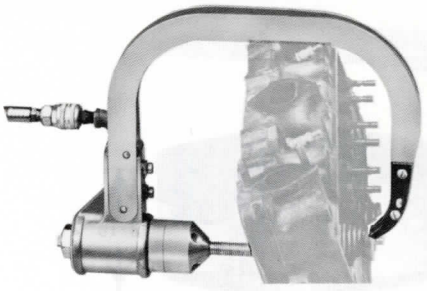


FORD POWER STEERING PUMP PULLEY INSTALLER

No. 193. Designed specifically to press the pulley on the power steering pump shaft. Includes No. 193-A Adapter for installing pulleys on Chrysler products.

AIR OPERATED "C" CLAMP LIFTER

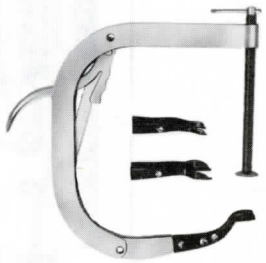
No. 574. Safe, fast, complete control in compressing the springs or in lowering the spring to receive keepers. Services all late model car, truck, bus, tractor and many marine and industrial engines. The only valve lifter with completely parallel lift. Positively will not bend valve stem. Operates on line pressure of 90-150 pounds. Develops pressure equal to three times line pressure. Complete with three pairs of jaws, 575-1, 575-2, 575-3. Height 9¾", Width 7". Spring capacity 1" to 2½" diameter springs.



No. 574

UNIVERSAL VALVE LIFTER

No. 575. For automotive, truck, tractor, bus and marine L-head and valve-in-head engines. Easily adjusted with a pin operated screw to valve spring length. Powerful leverage with cam locking handle. Controlled one hand release of spring gives the operator safe use of the other hand to hold the locks on the valve stem. The No. 579 Valve Key Replacer works with it on L-head valves. Height 10½", Width 9¾". Capacity 1" to 2½" diameter valve springs. Comes with three pairs of spring holding jaws, No. 575-1, No. 575-2 and No. 575-3.



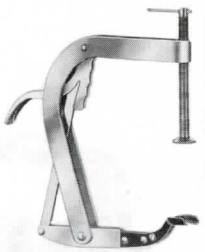
No. 575

REPLACEMENT JAWS

No. 575-1. Small Straight Jaw Set — Cap. ⅞" - 1⅞" dia. pr.
No. 575-2. Medium Offset Jaw Set — Cap. 1" - 2" dia. pr.
No. 575-3. Large Straight Jaw Set — Cap. 1½" - 2½" dia. pr.

"C" CLAMP VALVE IN HEAD LIFTER — V-8 HIGH COMPRESSION ENGINES

No. 576. For automotive, truck, tractor, bus and marine engines. Light weight, exceptionally sturdy compressor with powerful leverage. Pin operated screw adjustment, controlled one hand lowering of the valve spring. One hand is safely used to hold the locks. Height 9¾", Width 7". Spring Capacity 1" to 2½" diameter valve springs. Equipped with No. 575-2 medium offset general purpose jaws.



No. 576

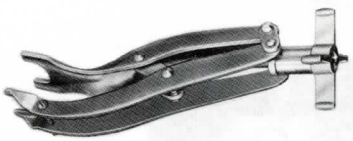
SMALL ENGINE VALVE LIFTER

No. 577. Height 5⅛", depth 3⅜", for air or water cooled 4-cycle engines with spring diameters up to 1$\frac{1}{16}$". Provides plenty of clearance for removal and replacement of valve locks on small engines including Briggs & Stratton, Harley-Davidson, Wisconsin, Kohler, Cushman, Homelite, Lauson, Onan and Indian. Strongly built of hardened and tempered steel. Plated finish.

No. 577

"SHORTY" VALVE LIFTER

No. 578. For safe, sure, fast spring compression on all L-head in-line engines using straight stem valves. Top jaws are adjustable for various spring sizes. Unique engineered action keeps the end of the spring level at all times. Lifting capacity is 2⅜". Overall length is 9¼".

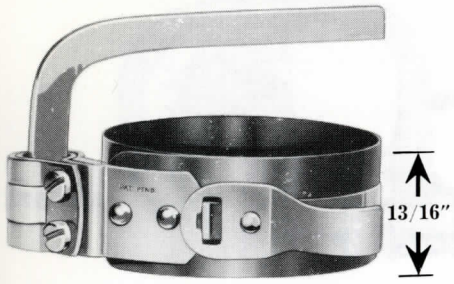


No. 578

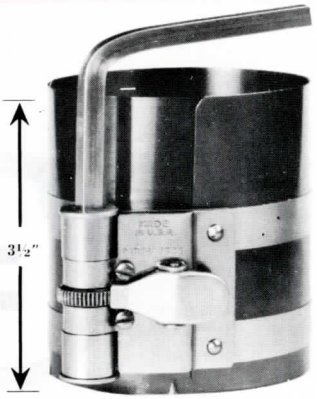
SPLIT LOCK REPLACER

No. 579. An efficient tool to replace tapered split locks on the valve stem. Holds locks in position until spring is released. An ideal tool for working in small areas or limited space. Can be used with all "C" Clamp Valve Lifters and with "Shorty" Valve Lifter.

No. 579

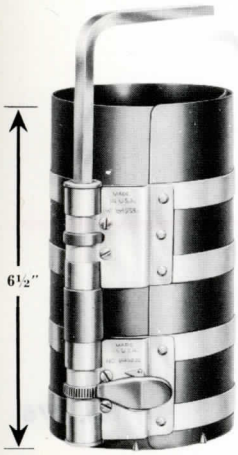


No. 568

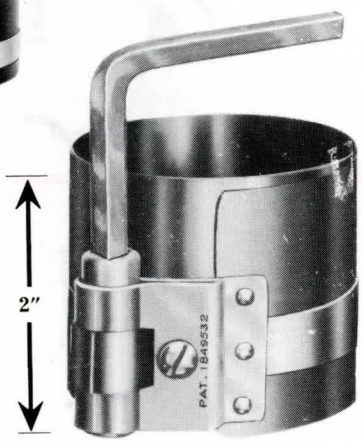


No. 570

No. 569



No. 572



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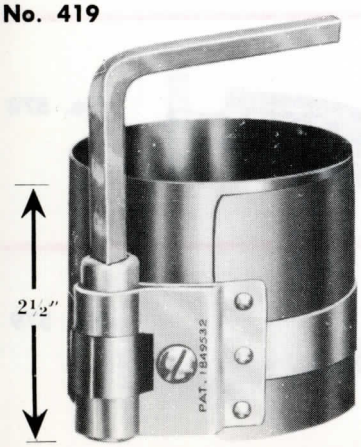


SPEED-O RING COMPRESSOR

No. 568. Designed for outboard and other motors where the cylinder block is placed down over the piston. The speed-o release catch allows the mechanic to quickly remove the compressor from around the connecting rods. Capacity 1⅜" — 3½". Single tension band. Adjustable friction brake.

No. 568A. Contains two of the No. 568 Speed-O Ring Compressors. On twin cylinder motors the pistons must be in the same horizontal plane when replacing the block, hence, the need for two compressors. The two compressors packaged in a plastic box.

UNIVERSAL RING COMPRESSOR

No. 569. Designed to handle all types of rings, including channeled, segment, etc. May be used on late model Chevrolet and Ford products with tapered block by using compressor upside down. Has beaded edge so compressor can't enter cylinder with piston. Positive ratchet lock of specially hardened steel. Individually packaged.

Specifications

Height of Spring Steel Band	3½"
Capacity	2⅛" to 5" dia.
Type	Ratchet

No. 569-T. Has all of the advantages of our No. 569, but is stronger and larger to handle buses, tractors, etc. Individually packaged.

Capacity	3½" to 7" dia.

TRUCK - TRACTOR - DIESEL

No. 570. This "Jumbo" Ring Compressor is just the tool for those large trucks, tractors, and diesel motors, where the top ring is more than 3½" from the bottom ring.

Specifications

Height of Spring Steel Band	6½"
Capacity	3" to 7" dia.
Type	Ratchet

MIDGET RING COMPRESSOR

No. 572. Ideal for use on all of the foreign motors, power mowers, air compressors, and all other small engines.

Specifications

Height of Spring Steel Band	2"
Capacity	1½" to 3" dia.
Type	Friction

ECONOMY RING COMPRESSOR

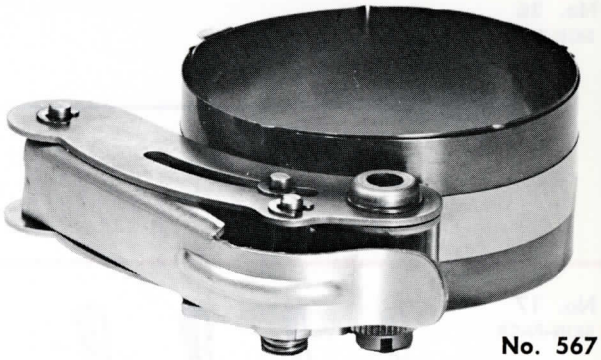
No. 419. This is a low priced, but quality tool, ideal for the small garage or the individual repair job. Designed to handle the majority of passenger cars including the late model Chevrolets and Fords with tapered block.

Specifications

Capacity	2⅛" to 5" dia.
Type	Friction

PISTON RING COMPRESSOR

No. 567. A real time saver. Simply make one adjustment using key with lever arm in closed position. After this adjustment is made, compressor will return to the position each time lever is closed to compress rings on piston.



No. 567

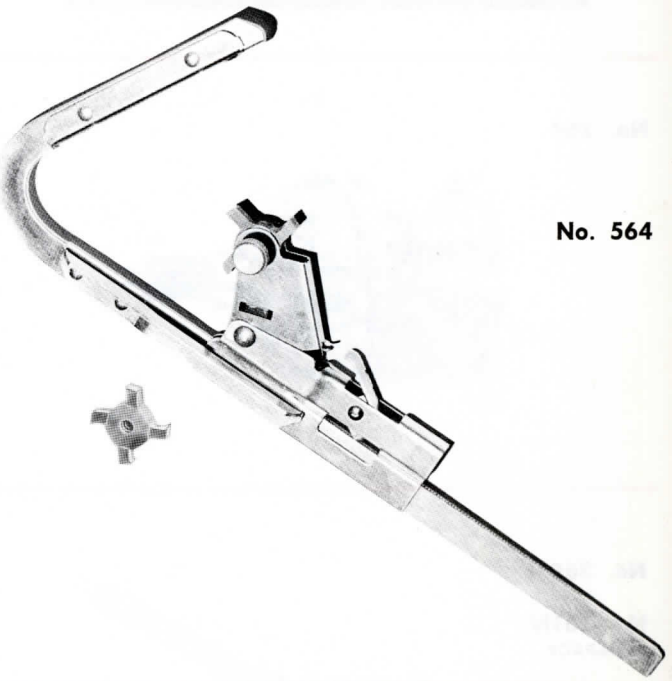
RING GROOVE CLEANER

No. 564. This ring groove cleaner is instantly adjustable to remove carbon from ring grooves on 2″ to 5″ pistons. It may also be used to deepen grooves to accommodate inner rings. The intricate design is such that it will not gouge, catch in oil holes, climb out of the groove, or chatter. A compensating spring controls the pressure on the cutter, and assures a clean cut. Rigid frame prevents side play. Includes 2 cutter wheels with the following sizes: 5/64″, 3/32″, 1/8″, 5/32″, and 3/16″. Developed to handle the new V-8 motors with a 5/64″ compression ring. Individually packaged.

No. 564-1. Replacement cutter wheel for No. 564 with the following sizes: 3/32″, 1/8″, 5/32″, 3/16″.

No. 564-2. Replacement cutter wheel for No. 564 with the following sizes: 5/64″, 3/32″, 5/32″, 3/16″.

No. 564-3. Replacement cutter wheel. Special — 1 size only. 1/4″.



No. 564

DELUXE PISTON GROOVE CLEANER

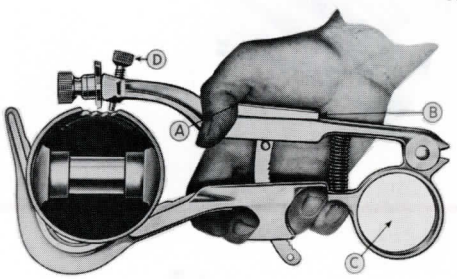
No. 562. The locking principle is quickly executed and positive. NO BACK SLIPPING. The large ring at "C" for inserting the finger in revolving the tool is a new feature. Pressure at "A" locks the tool; pressure at "B" releases. Ring Groove Depth Screw — Letter "D" prevents cutter blade from dropping into large oil holes and oil slots in ring grooves.

Cutter Blade — The quick-setting, self-aligning, large, five-prong cutter blade is a major feature permitting quick operation in adjusting to the various ring-groove widths. 5/64″, 3/32″, 1/8″, 5/32″ and 3/16″.

No. 562-1. Regular cutter wheel replacement

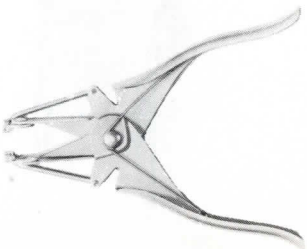
No. 562-2. Cutter Wheel Special Sizes — 1/16″, 5/32″, and 1/4″

No. 562
SKIN-PACK



PISTON RING EXPANDER

No. 566. This expander is Universal, in that it will handle rings from the smallest to the largest passenger cars and trucks. Gripping edges are smooth to eliminate damage to the rings. This tool eliminates breakage of rings during installation.



No. 566

No. 26
SKIN-PACK

ALL-IN-ONE EXPANSION VALVE GUIDE CLEANER

No. 26. The All-In-One Cleaner will cover all sizes: 5/16", 11/32", 3/8", 7/16", 1/2", 9/16", and 5/8".

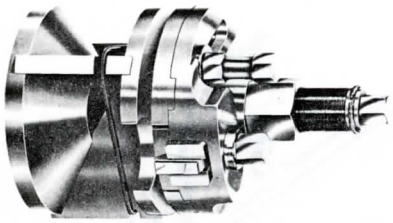
Use with a 1/4" electric drill to clean the carbon from the guide. Constructed with 22 round steel wires to eliminate digging in, prevent cutting or removing metal from the guides.

No. 17
SKIN-PACK

GASKET AND HEAD ALIGNING TOOL

No. 17. Gasket Head Aligner permits exact alignment and eliminates torn gaskets. Consists of two 7/16" aligning buttons, two 1/2" aligning buttons and pulling rod.

No. 364



RIDGE REAMER — LATHE TYPE

No. 364. Designed to position from Cylinder Wall the lathe action follows worn cylinder contour and inperfections to remove all the ridge with one setting. Never need adjusting. Full floating tungsten carbide cutter stays sharp indefinitely. Range 3 - 5".

No. 365. Carbide Cutter.

No. 366. Special set of jaws for compacts including Falcon.

No. 360N

No. 361N
SKIN-PACK

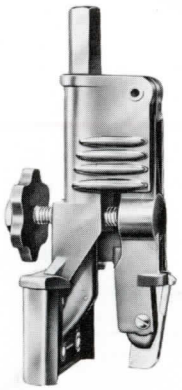
CYLINDER HONE — 4" STONES

No. 360-N. Extremely versatile hone for 2" to 7" diameter cylinders covering automotive, truck, bus, tractor, industrial engines and small air-cooled motors. Adjustable to infinite diameters throughout its entire range. Flexible shaft, controlled spring action; spread control limiter are features which contribute to faster changing from one cylinder to another with fastest cutting action. Equipped with 3/4" medium grit stones. Operated by high or low speed electric drill.

REPLACEMENT STONES FOR 360-N

No. 361-N. Medium Grit, 4", Set of three.

No. 368



RIDGE REAMER

No. 368. The principle of removing the ridge is the same as is employed when using an expansion reamer; therefore, a smooth wall surface is achieved. The outside finger tip adjusting screw is simple to operate and speeds up the cutter blade adjustment.

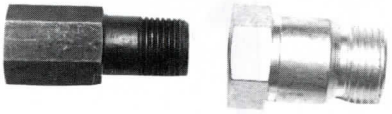
This new Ridge Reamer features: Longer life of cutter blade before sharpening — cutter blade body is hard chrome plated for lasting service — cutter blade follows out-of-round cylinder walls — under-cutting is eliminated — cutter blade, self-aligning. The Carboloy tipped cutter blade will remove the ridge in Ford Steel Sleeves without damage to the cutter blade. Range of sizes: 2 3/8" to 4 1/8", incl.

No. 368-1. Replacement Cutter Blade

"AIR-HOLDS" FOR O. H. V. JOBS

No. 468. Here is a long needed tool to make overhead valve repairs without removing the cylinder head. Set of 14MM and 18MM with ¼" pipe thread for any quick coupler — it lets air do the work.

No. 468
SKIN-PACK



OIL FILTER GASKET REMOVING TOOL

No. 348. For use on cars that use removable oil filter elements. The specially designed shape of this tool and its fine cutting edge make quick work of gasket removal and permits installation of the new elements without detaching the mounting plate. It is essential to remove the worn gasket before installing the new one to insure a tight and leak-free fit. Large and comfortable red plastic handle fastened to heat-treated alloy blade.

No. 348
SKIN-PACK

CARBON SCRAPER

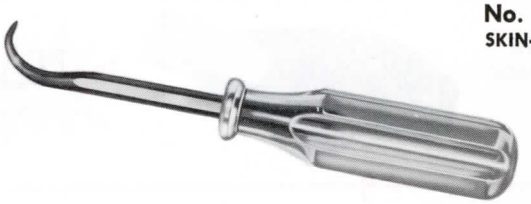
No. 350. Manufactured from extra quality alloy steel, producing knife-like edges which stand up under long use. ¼" x 12" long. Flat type scraper.

No. 350
SKIN-PACK

COTTER PIN PULLER

No. 352. Here is a handy tool for removing stubborn and hard to reach pins. The rolled hook provides exceptional leverage. 5/16" x 7½" long.

No. 352
SKIN-PACK



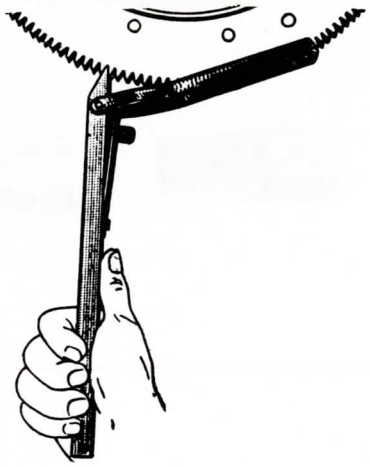
MECHANIC'S STETHOSCOPE

No. 140. This sensitive instrument provides a fast and accurate method of locating troubles in engines and other moving parts, before too much damage is done. With a little practice, a mechanic can easily locate and identify trouble. The plastic ear phones shut out outside noises; the stainless steel needel probes the suspected areas, and finds the spot where the abnormal noise is concentrated. A plastic handle protects from shock. Chrome plated.

No. 141. 12" extension for No. 140. Theaded to screw on the end of the standard 6" needle.

No. 140
SKIN-PACK

No. 565



FLYWHEEL TURNER

No. 565. A time saver, eliminates crawling in and out from under car to turn motor. Adaptable to any make car, truck, bus or tractor. Correct spring tension holds the turner fast to flywheel giving mechanic freedom of both hands. Permits desired adjustments to be made easily from the mechanic's working position under the car.

No. 582

NEW

Non-slipping, Link-Lock
Even, easy balance

ENGINE LIFT

No. 582. For easy removal of car and truck engines and other heavy units from chassis. Self-balancing and self-securing link-lock feature assures safe, non-slip lifting. Half-ton load tested, cadmium plated, heat treated, alloy steel. Do not fasten ends more than 20″ apart. Overall length 28″.

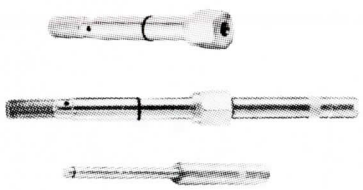
No. 18
SKIN-PACK

NEW

ROCKER ARM OIL DEFLECTORS

No. 18. Deflects oil from the rocker arm to the valve chamber. Sold in sets of 16 so both banks of valves may be adjusted simultaneously. Also included is a metal panel for storing.

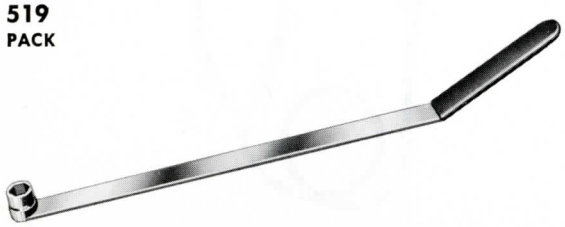
No. 16
SKIN-PACK



OIL LINE PUNCH

No. 16. New improved tool for cleaning the sludge clogged engine oil passages, and restoring full oil pressure to rocker arm assembly. To operate the tool, remove the head bolt that contains the oil service channel, insert the punch and tighten hand tight. Fill punch with penetrating oil, then insert plunger. By moving plunger back and forth to create an alternating vacuum and pressure, the sludge is broken up and will flow out thru punch.

No. 519
SKIN PACK



FAN BLADE WRENCH

No. 519. Remove the fan blades with this tool and enough clearance is made available to remove the water pump without dismantling the radiator. Designed with the proper angle to clear the shroud, this tool becomes a real time saver. The 12-point ½″ socket is permanently fastened to the end of the wrench, with a comfortable plastic grip on the handle end. Std. Pkg. 1.

FEELER GAUGES

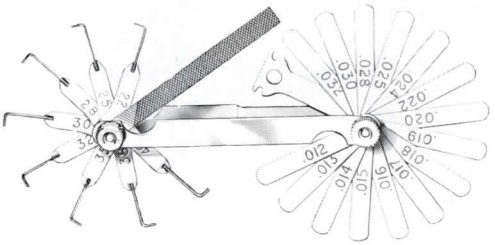
Thickness gauges are precision made from finest grade imported Swedish Steel. Each blade is tested to insure exact thickness required by the most rigid specifications and is scientifically hardened and tempered to withstand long wear.

All thickness gauges are equipped with knurled lock-nuts, which release the blades instantly for rapid selection of size desired, and when tightened lock the individual blade into the working position, retaining the blades not in use firmly in the handle.

NOTE: ALL FEELER GAUGES ARE PERMANENTLY ETCHED WITH BOTH FRACTIONAL AND METRIC SIZES.

SPARK PLUG AND IGNITION GAUGE

No. 221 Handy combination of wire and narrow blade sizes to check the majority of all required ignition gap tolerances. Contains 15 1¾″ x ¼″ blades in compact gauge handle. Following thickness .012, .013, .014, .015, .016, .017, .018, .019, .020, .022, .024, .025, .028, .030, .032. Also, eight (8) wire gauges, sizes .022, .025, .028, .030, .032, .035, .038, .040, and one (1) tungsten file.

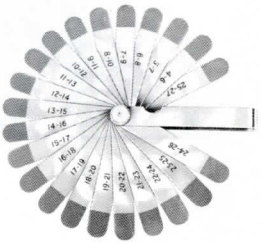


NO. 221
SKIN-PACK

GO - NO - GO MASTER FEELER GAUGE

No. 222. 22 blades. Highest quality steel. Precision ground. .002 steps each blade. Ideal for adjusting tappets.

BLADE SIZES .004 - .027.

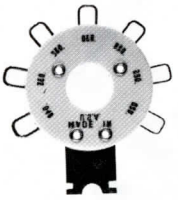


No. 222
SKIN-PACK

WIRE SPARK PLUG GAUGE & BENDER

No. 223. Convenient size round style spark plug gauge includes sizes .020, .025, .028, .030, .035, .040. With point bender and adjuster sizes .055, .065, .110 and .140. Gauge wire holder made of hi-impact Delrin plastic, permanently etched with black numbers — in thousandths on one side — in MM equivalents on the opposite side.

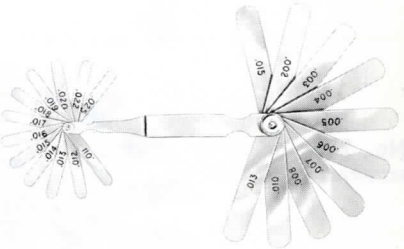
NEW



No. 223
SKIN-PACK

TAPPET AND IGNITION GAUGE

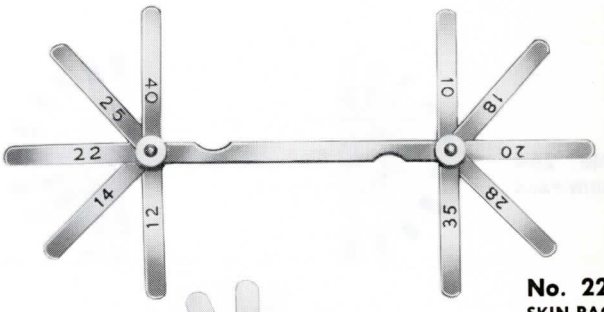
No. 227. Contains 10 tappet blades 3″ x ½″ of the following thicknesses: .004, .005, .006, .007, .008, .009, .010, .012, .013, .015. Eight (8) ignition blades 1¾″ x ¼″ on the other end of the following sizes: .012, .015, .018, .020, .022, .025, .030, .040.



No. 227
SKIN-PACK

IGNITION GAUGE

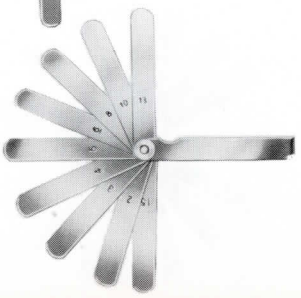
No. 228. Contains ten 1¾″ x ¼″ blades of the following thicknesses: .012, .014, .015, .016, .017, .018, .019, .020, .022 and .025.



No. 228
SKIN-PACK

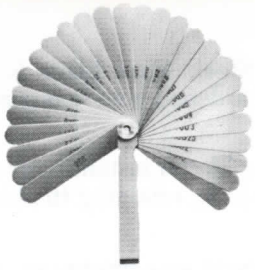
STANDARD FEELER GAUGE

No. 229. Contains ten 3 5/16″ x ½″ blades of the following thicknesses: .002, .003, .004, .005, .006, .007, .008, .010, .012 and .015.



No. 229
SKIN-PACK

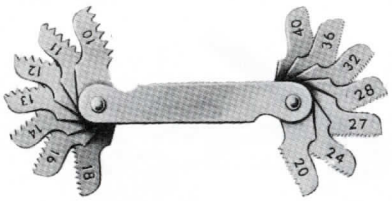
No. 230
SKIN-PACK



UNIVERSAL MASTER FEELER GAUGE

No. 230. Contains twenty-six (26) blades $3\frac{5}{16}$" x ½" of the following thicknesses: .0015, .002, .0025, .003, .004, .005, .006, .007, .008, .009, .010, .011, .012, .013, .014, .015, .016, .017, .018, .019, .020, .021, .022, .023, .024, .025.

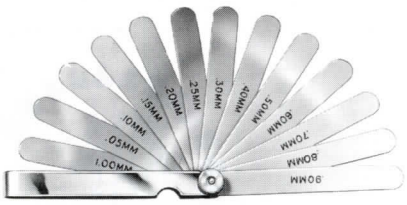
No. 514
SKIN-PACK



THREAD GAUGE

No. 514. For gauging of V, American National or U. S. standard 60° threads. 18 Blades, thread sizes Nos. 8, 9, 10, 11, 11½, 12, 13, 14, 16, 18, 20, 24, 27, 28, 32, 36, 40, 44.

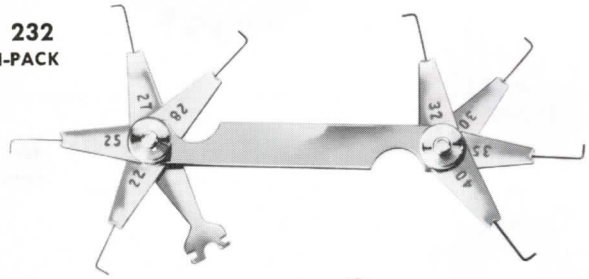
No. 231
SKIN PACK



METRIC GAUGE

No. 231. Contains thirteen (13) blades 4" x ½" of the most needed metric sizes, as follows: .05 mm, .10 mm, .15 mm, .20 mm, .25 mm, .30 mm, .40 mm, .50 mm, .60 mm, .70 mm, .80 mm, .90 mm, 1.00 mm.

No. 232
SKIN-PACK



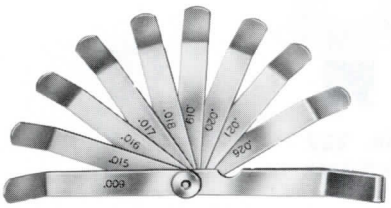
SPARK PLUG WIRE GAUGE

No. 232. Contains one electrode bender and eight (8) wire gauges of the following thicknesses: .022, .025, .027, .028, .030, .032, .035, .040. Gauge case 3¼" x ½".

OVERHEAD VALVE GAUGE

No. 233. Contains nine (9) blades $3\frac{5}{16}$" x ½" with a 45° offset for checking valve clearances on most V-8 engines. Following thicknesses: .009, .015, .016, .017, .018, .019, .020, .021, .026.

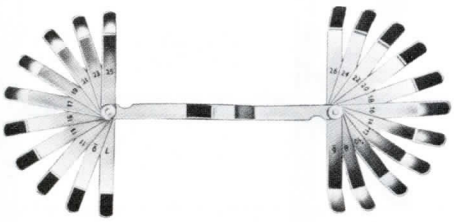
No. 233
SKIN-PACK



UNIVERSAL O. H. V. GAUGE

No. 284. Contains 21 blades $3\frac{5}{16}$" x ½" with a 45° offset for adjusting overhead valve engines. Following thicknesses: .006, .007, .008, .009, .010, .011, .012, .013, .014, .015, .016, .017, .018, .019, .020, .021, .022, .023, .024, .025, .026.

No. 284
SKIN-PACK



IGNITION GAUGE

No. 288. Contains 16 blades 1½" long, $\frac{3}{16}$" wide of the following thicknesses: .011, .012, .013, .014, .015, .016, .017, .018, .019, .020, .022, .024, .025, .028, .030 and .032.

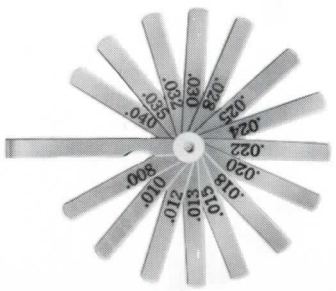
INDIVIDUAL FEELER GAUGE BLADES

No. 236. 12" all sizes. 10 per package.

No. 237. $3\frac{5}{16}$ all sizes. 10 per package.

Individual blades have rounded edges, and a $\frac{5}{32}$" hole in one end. Each blade is permanently marked with its proper size. These blades can be supplied in the following sizes: .001, .0015, .002, .0025, .003, .004, .005, .006, .007, .008, .009, .010, .011, .012, .013, .014, .015, .016, .017, .018, .019, .020, .021, .022, .023, .024, .025, .026, .027, .028, .029, .030, .031, .032, .033, .034, .035, .036, .037, .038, .039, .040. When ordering specify size and length — either $3\frac{5}{16}$" or 12".

No. 288
SKIN-PACK



No. 190

BALL JOINT SEPARATOR

No. 190. Placed between ball joint and steering knuckle, and given a few sharp blows with a hammer, this tool separates these stubborn parts with ease. Forged and heat treated. Length: 11⅞". Opening 15/16".

No. 191

PITMAN ARM WEDGE

No. 191. This sturdy tool removes pitman arms and similar operations. Wedge end of tool is placed or driven between parts to be removed and a few sharp blows of a hammer accomplishes an otherwise difficult job. Cadmium plated alloy steel will not mushroom or bend. Length 11¾". Jaw opening 1⅛".

No. 22

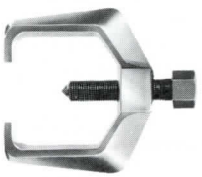
TIE ROD END PULLER

No. 22. This powerful wedging tool is manufactured from a single piece of drop forged, alloy, heat-treated steel, and will stand up under hard usage. Cadmium plated. Individually packaged. Length 16". Jaw opening $^{21}/_{32}$".

No. 186

PITMAN ARM PULLER

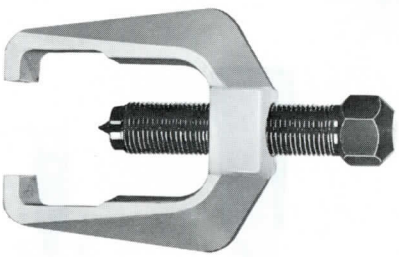
No. 186. This tool can be used to remove the pitman arms from the majority of cars and light trucks. The yoke is forged from a high grade alloy steel, heat-treated to withstand the toughest service. $1^{5}/_{16}$" opening — 2½" pull.



No. 194
SKIN-PACK

PITMAN ARM PULLER FOR COMPACT CARS

No. 194. For the safe easy removal of pitman arm assembly from compact automobiles. Forged-heat treated yoke with extra heavy center screw. $1^{1}/_{16}$" opening and 1¾" pull.



No. 195
SKIN-PACK

FORD CASTER CAMBER ADJUSTER

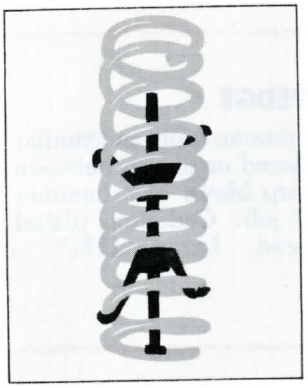
No. 195. Two piece tool-set provides for fast, efficient caster-camber adjustment on '65 through current Ford, Mercury, Thunderbird and Mark III cars. Provides necessary leverage for moving upper arm cross shaft to make alignment corrections. Mechanic has complete control of adjustment at all times.

No. 510

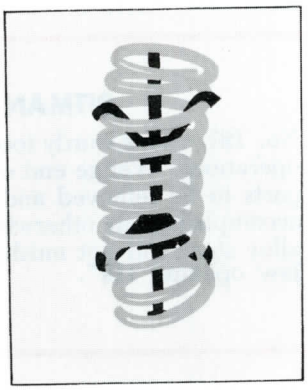
Patent No. 2721376

COIL SPRING COMPRESSOR

No. 510. Will compress coil springs on all passenger cars and pick-up trucks. With this tool you can remove and replace coil springs quickly and safely. Makes an easy job of installing coil spring spacers. Instructions included.

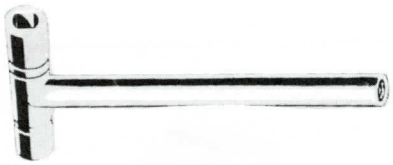


Tool in position compressing coil straight



Tool compressing coil in bowed position with short hooks on one side

No. 12
SKIN-PACK

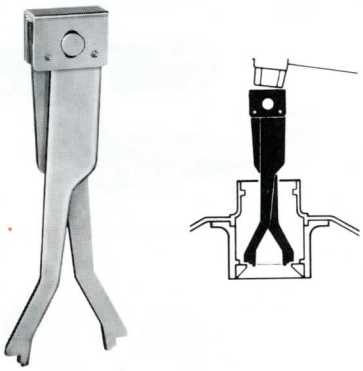


SHOCK ABSORBER TOOL

No. 12. Sockets in ends of "T" hold shaft from turning. Taped hole in leg makes it a handle to pull shock absorber through spring — 5¾" long.

NEW

No. 559



BEARING CUP DRIVER

No. 559. This tool is designed for the fast, easy, and safe removal and replacement of car and truck front wheel bearing cups, bushings and seals with minimum I.D. of 1.4 inches and to a maximum of 5.5 inches. Unique self-centering anvil equalizes hammer blows. Legs have both small and large notches to simplify installation. Zinc plated, 10¼" O.A.L.

MIDGET HACK SAW

No. 408

SKIN-PACK

No. 408. The design of this midget hack saw permits a full stroke in 1″ opening. Blade included. For additional blades order 408-1 (see below).

No. 408-1. 6″ hack saw blades for 408. 10 blades per package.

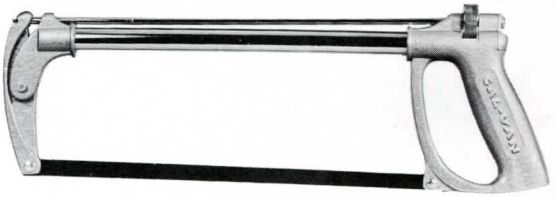
HEAVY DUTY HACKSAW

No. 410

No. 410. Adjustable hacksaw, polished and plated, frame from $\frac{3}{16}$″ steel. Pistol grip handle of durable red plastic. Adjustable frame locks in either 8″, 10″ or 12″ blades. Shipped with one (1) 10″ blade.

"CHALLENGER" HACK SAW

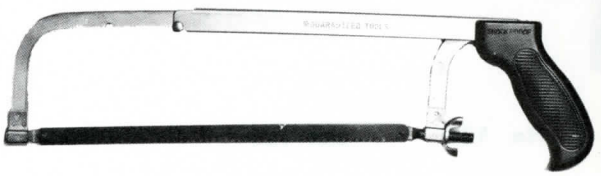
No. 407



No. 407. The "Challenger" out-performs all hack saws on regular jobs; in addition, it does many jobs no other hack saw can do. Tubular frame contains storage for additional blades. Compactness — mounts 12″ blade, yet is only 16″ overall.

ECONOMY HACK SAW

No. 409



No. 409. Handy adjustable hack saw frame is ideal for general use. Adjustable frame locks in either 8″, 10″, and 12″ blades. Shipped with one (1) 10″ blade.

FLEXIBLE HIGH SPEED BLADES

Rocket blade with "Gradient Hardness." The safe, tough and flexible blade for all tool room and general hand use.

Specifications:

Stock No. 18 Teeth	24 Teeth	Sizes Length-width gauge
NF-1018	NF-1024	10 x ½ x .025
NF-1218	NF-1224	12 x ½ x .025

STANDARD FLEXIBLE BLADES

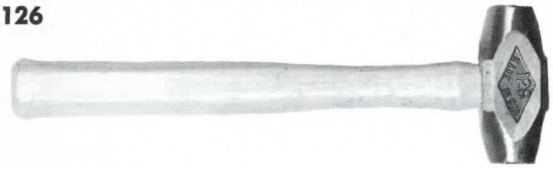
Flexible for general purpose cutting. Only the teeth are hardened. The back remains flexible to prevent undue breakage when cutting in cramped quarters or awkward positions. Ideal for maintenance work.

Specifications:

Stock No. 18 Teeth	24 Teeth	Sizes Length-width gauge
NS-1018	NS-1024	10 x ½ x .025
NS-1218	NS-1224	12 x ½ x .025

HAMMERS

No. 126



SOFT BRONZE HAMMER

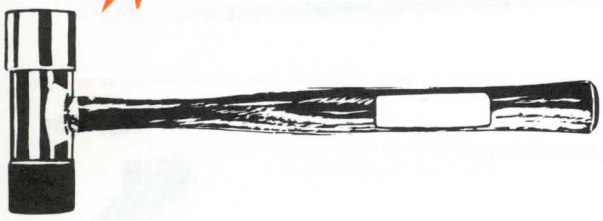
No. 126. This two pound bronze hammer is used to drive easily damaged parts and for use in areas where sparks could be hazardous. Head of cast bronze, polished and lacquered. Straight grain hickory handle — hex designed for positive gripping.

No. 127

WHEEL COVER TOOL

No. 127. Designed to remove and replace wheel covers and hub caps more easily. The tip is designed correctly to get behind the edge of the cover and a rubber head is mounted on the other side of the tool with the necessary weight for replacing wheel cover.

NEW



No. 124 No. 125

SOFT FACE HAMMERS

No. 124. Replaceable Urethane plastic tips, white face soft, black face hard, high tensile strength, abrasion resistant, resists chipping and spreading, hickory handle, weight 16 oz. O.A.L. 12″. Replacement tips No. 124-1, white soft, No. 124-2, black hard.

No. 125. Soft Face Hammer — same as No. 124 but larger, weight 32 oz. O.A.L. 14″. Replacement tips No. 125-1, white soft, No. 125-2, black hard.

IGNITION - ELECTRICAL

No. 3
SKIN-PACK

SNAP GAP PROFESSIONAL TUNE-UP TOOL SET

No. 3. Gap distributor in ⅓ the time. New set for conventional and Delco "window" distributors. One of 5 sleeves slips over cam to open points. Special Snap-Gap Feeler Gauge sets gap. Remove ring and points are correctly gapped. Never necessary to rotate cam. Sets dual points, too. Instructions and gap specifications included. Delco "window" distributor setting tool has 2-color indexed dial for accurate "½ turn counter-clockwise" as specified by Delco.
Set consists of 7 pieces in fitted plastic box.

"SHOCK PROOF" SPARK PLUG LEAD PLIERS

No. 143. This all new tool has the nose pieces covered with special nylon tips as well as the handles completely insulated to insure complete protection against shock. Perfect for safe removal of spark plug wires even with engine running. Angled serrated jaws provide easy to reach solid grip. Also ideal for light bulb removal.

No. 143
SKIN-PACK

SPARK PLUG GAPPING TOOL

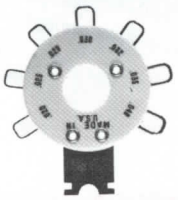
No. 670. Improved design for gapping 10mm. and 14mm. spark plugs. Every gap sets the same. Revolving gauge gaps to sizes .022, .025, .026, .028, .030, .032, .035, .036, .038 and .040. Handle end is tapered electrode spreader. Replacement gauge No. 670-1. Metric gauge No. 670-2.

No. 670

NEW

WIRE SPARK PLUG GAUGE & BENDER

No. 223. Convenient size round style spark plug gauge includes sizes .020, .025, .028, .030, .035, .040. With point bender and adjuster sizes .055, .065, .110 and .140. Gauge wire holder made of hi-impact Delrin plastic, permanently etched with black numbers — in thousandths on one side — in MM equivalents on the opposite side.

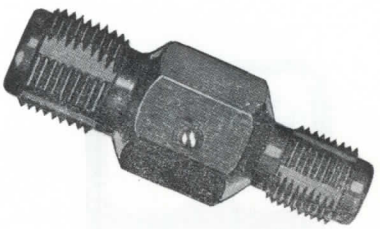


No. 223
SKIN-PACK

NEW

SPARK PLUG HOLE THREAD CHASER

No. 144. Has 14MM and 18MM chaser on opposite ends. Hexagonal section with lock ball permits use of any standard 13/16" opening wrench or deep socket. Each end slightly tapered for ease in starting in plug hole.



No. 144
SKIN-PACK

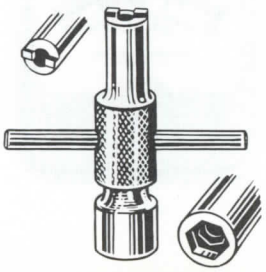
TEST LEAD KIT

No. 238. 2 - 36" jumper leads — 16 gauge stranded wire in heavy plastic insulation (two colors). One clip equipped with heavy shock resistant hood.

No. 238
SKIN-PACK

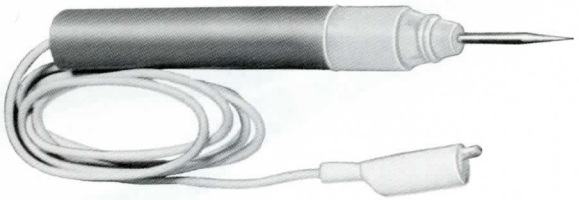
TWO-IN-ONE DISTRIBUTOR TOOL

No. 251. An excellent tool for changing points in recent model GM cars having Delco-Remy Distributors. 11/32" spin socket on one end. Split blade on other end fits over bolt to adjust slotted nut.



No. 251
SKIN-PACK

No. 68N
SKIN-PACK



BATTERY POWERED CONTINUITY TESTER

No. 68-N. Test radio, T.V., appliances, electrical circuits, switches, voltage regulators, coils, fuses, condensers, armature and alternator diodes. Test with power off. Use 2 AA 1.5V. batteries.

No. 69
SKIN-PACK

SHORT CIRCUIT DETECTOR

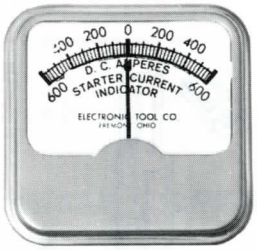
No. 69. Shirt pocket model packaged in neat plastic case. Locate short circuits in 6 and 12 volt circuits without removing upholsetry, body panels etc. Operates thru metal door posts, rocker panels and upholstery. Easy to follow instructions included.

No. 71
SKIN-PACK

ALTERNATOR & GENERATOR CURRENT INDICATOR

No. 71. Simply place metal hook on back of indicator over output wire from generator or alternator with engine running. Read output on dial. Scale reads 75-0-75 D.C. Amperes — Chrome finish — Meter size 2¾" x 2¾".

No. 72
SKIN-PACK



STARTER CURRENT INDICATOR

No. 72. Place metal hook on rear of indicator over wire from battery to starter. Turn on ignition switch and read on face of indicator Amperes from 600-0-600 D.C. that starter is drawing. Chrome finish. Meter size 2¾" x 2¾".

SPARK PLUG TESTERS

No. 65. Pocket spark plug firing tester for plugs and ignition cables. Retractable needle. Heavy plastic case. Depress point against ignition wire at spark plug to penetrate cable insulation. Read flashes from neon bulb to indicate condition of spark plug. Complete instructions included.

No. 65A. Replacement bulb for No. 65.

No. 65C. 6-Pack of #65 Testers on attractive display card.

No. 65-C

No. 65
SKIN-PACK

SPARK PLUG FIRING INDICATOR

No. 66. Capacitive type spark plug firing indicator. No need to puncture cable, simply attach hook to wire and check firing of bulb through slot in side of plastic tube. Instructions included.

No. 66A. Replacement bulb only.

No. 66C. 6-Pack of #66 Testers on attractive display card.

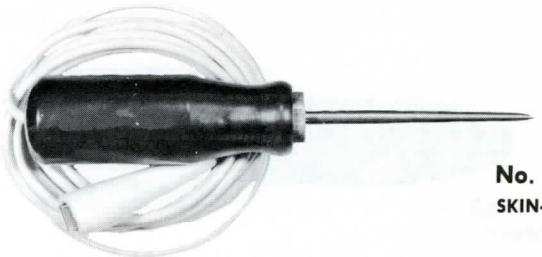
No. 66-C

No. 66
SKIN-PACK

ELECTRIC CIRCUIT TESTER — POWER ON

No. 67. Test 6 and 12 volt circuits with power on. Heavy plastic handle — 36″ 16 gauge wire with heavy duty clip. 4″ inspection probe set in threaded ferrel, screwed into handle. Test for wire breaks, shorts, fuses, lamps, relays, armatures, etc.

No. 67A. Replacement bulb only.



No. 67
SKIN-PACK

COMBINATION TESTER

No. 145. Hi-lo voltage. Automotive type tester. Check low voltage 6 - 12 V in auto circuits. Check high voltage in ignition. Attach ground to body of car and probe wiring with retractable needle. To change from high to low voltage test, simply use opposite end of tool.

No. 145A. Low voltage bulb only.

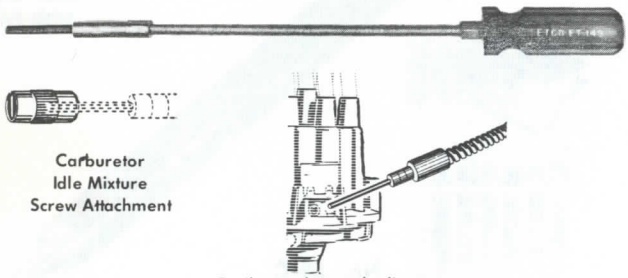
No. 145B. High voltage bulb only.

No. 145
SKIN-PACK

REMOTE STARTER SWITCH

No. 61-S. New remote control starter switch. Heavy clips with insulated sleeves to attach to ground and starter solenoid switch. Thumb activated switch — 6′ heavy insulated wire for long tool life.

No. 61-S
SKIN PACK



Carburetor Idle Mixture Screw Attachment

Easily reaches and adjusts contact points (or needle valves) with engine running!

No. 454
SKIN-PACK

No. 456
SKIN-PACK

COMBINATION DISTRIBUTOR & CARBURETOR ADJUSTING TOOL

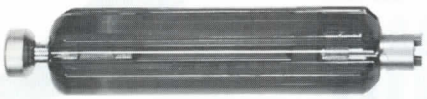
No. 454. The ⅛" Hex bit is used for Delco-Remy external adjustment distributors. The non-slip hooded screw driver adapter is used to adjust carburetors where obstructions hamper visual observation or the use of a regular screw driver. Constructed of "non-kink" flexible steel shaft, shock resistant plastic handle, hardened steel hex bit.

HOODED SCREW DRIVER ATTACHMENT FOR NO. 454

No. 454A. Hooded carbuetor screw driver attachment only.

DISTRIBUTOR ADJUSTING TOOL

No. 456. Same design as 454, but without 454-A hooded carburetor screw driver attachment.



Bolt slides up into hollow shaft — allows tool to engage slot.

No. 453
SKIN-PACK

TWO-IN-ONE DISTRIBUTOR TOOL

No. 453. For replacement and adjustment of Delco Remy distributor points. One end fits $1\frac{1}{32}$" lock nut, the other fits slotted adjustment nut.

No. 1963
SKIN-PACK

SUPER CRIMPING TOOL WITH BOLT SLICER

No. 1963. Designed for crimping both insulated and non-insulated terminals. Has end positioned wire cutter, strips wire and slices 6 sizes of bolts (10-32, 10-24, 8-32, 6-32, 5-40 and 4-40).

NEW

No. 150
SKIN-PACK

IGNITION WIRE STRIPPER

No. 150. Quality wire stripper with plastic soft grip handles, adjusts to 7 (seven) wire sizes for stripping insulation. Settings for 12, 14, 16, 18, 20, 22, 24 gauge wire.

No. 57
SKIN-PACK

NEON TIMING LIGHT

No. 57. This timing light may be used to check timing on 6, 12 and 24 volt systems. Easy-to-follow instructions included with each tool. Light guarded by impact resistant plastic case.

NEW

No. 54
SKIN-PACK

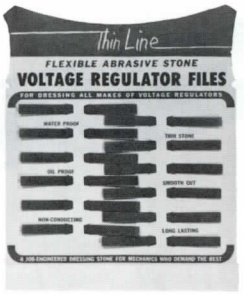
SPARK CATCHER

No. 54. Spark plug wire extension with accessible metal contact surface on wire for the attachment of timing light or tachometer. Ideal for use on cars where spark plugs are hard to reach. Connects to plug lead wire at distributor or spark plug.

TWISTONES

No. 606. Flexible abrasive stones for dressing ignition points, magnetos, relays, etc. Waterproof, oil proof, non-conducting, 80 grit. Packaged only on self-selling display card of 12.

No. 607. Flexible abrasive stones for dressing voltage regulators. Waterproof, oil proof, non-conducting, 120 grit. Packaged only on self-selling display card of 12.



No. 606

No. 607

NEW

IGNITION POINT FILES

No. 608. Quality double cut ignition files guaranteed to file tungsten. Packaged only on self-selling display card of 12.

No. 608

NEW

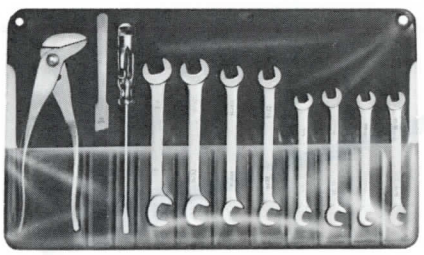
HARD TOP BATTERY CELL TESTER

No. 545. Designed to test true voltage content of each cell on automotive batteries. Special replaceable metal probes resist rust and corrosion. Probes fit into rubber case when not in use. Easy read dial — permanently calibrated. No accumulative reading necessary. No technical knowledge required to use. Attractive, lightweight and economical. Actual size 2¾" x 5½".

No. 545
SKIN-PACK

IGNITION SET

No. 610. All precision tools necessary for fine auto and marine tune-up. Handsome vinyl kit may be rolled or hung. Contains the following 15-60 degree wrenches. Eight (8) forged, chrome finish wrenches, size 13/64 through 3/8 with 15-60 degree openings on alternate ends. Ignition plier, screw driver and file.



No. 610
SKIN-PACK

MINIATURE WRENCH SET

No. 600. All precision tools necessary for fine auto and marine tune-up. Handsome vinyl kit may be rolled or hung. Contains the following 15-60 degree wrenches: Eight (8) forged, chrome finish wrenches, size $^{13}/_{64}$ through $^{3}/_{8}$ with 15-60 degree openings on alternate ends.

No. 600
SKIN-PACK

No. 356
SKIN-PACK

UTILITY KNIFE

No. 356. Die cast handle, enamel finish. Blade locks in four (4) positions — full, half, carton opening and closed. Extra heavy surgical quality steel blade.

No. 356-1. Box of 5 Replacement Blades for No. 356 Utility Knife.

No. 353
SKIN-PACK

No. 354
SKIN-PACK

PUTTY KNIFE — SEMI-FLEX

No. 353. Tempered semi-flex blade extends through handle for extra strength. Excellent utility putty knife and scraper. Grease resistant, riveted plastic handle with eyelet.

No. 353B. Box of 12 No. 353 Putty Knife. (Not skin packed)

PUTTY KNIFE CHISEL-SCRAPER

No. 354. Heat treated, stiff blade with chisel edge. Highest quality steel blade extends through handle for extra strength. Grease resistant, riveted plastic handle with eyelet.

No. 354B. Box of 12 No. 354 Putty Chisel. (Not skin packed)

No. 355
SKIN-PACK

3" PUTTY KNIFE — FULL-FLEX

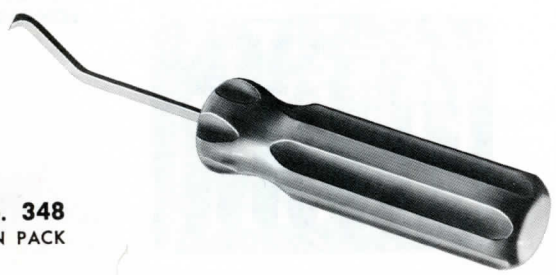
No. 355. Tempered full-flex blade extends through handle for extra strength. Ideal for applying body filler, because the body filler will not adhere to the plastic handle. Grease resistant, riveted plastic handle with eyelet.

No. 355B. Box of 12 No. 355 Putty Knife. (Not skin packed)

No. 350
SKIN-PACK

CARBON SCRAPER

No. 350. Manufactured from extra quality alloy steel, producing knife-like edges which stand up under long use. ¼" x 12" long. Flat type scraper.



No. 348
SKIN PACK

OIL FILTER GASKET REMOVING TOOL

No. 348. For use on cars that use removable oil filter elements. The specially designed shape of this tool and its fine cutting edge make quick work of gasket removal and permits installation of the new elements without detaching the mounting plate. It is essential to remove the worn gasket before installing the new one to insure a tight and leak-free fit. Large and comfortable red plastic handle fastened to heat-treated alloy blade.

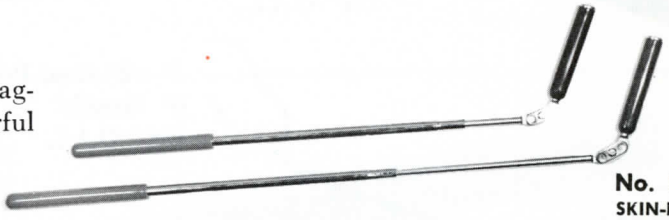
MAGNET PICKUP 9"

No. 225. Here's the size Magnet tool that fumbling fingers demand. The full length is 9" and only 5/16" diameter. It makes that short haul fast. The powerfully magnetized head removes small parts from close spots that defy the fingers.

No. 225
SKIN-PACK

MAGNET PICKUP ADJ. 16" - 26"

No. 226. Telescopes to a convenient 16" the master Magnet Tool will open to 26½". This longer, more powerful pick-up tool will easily pick up 1½ lbs.



No. 226
SKIN-PACK

MAGNET PICKUP 6" POCKET

No. 285. A Handy 6" pocket tool with shirt pocket clip for easy carrying. Brightly polished, light-weight, aluminum shaft has easy to grip knurled handle.

No. 285
SKIN-PACK

MAGNET PICKUP FLEXIBLE 18"

No. 286. A rigid tool with stiffening rod in place, a completely flexible one without the rod. 18" overall length by 5/16" diameter; permits reaching into small and deep, inaccessable places. Permanent Alnico Magnets.

No. 286
SKIN-PACK

FLEXIBLE MECHANICAL FINGER

No. 714. A real "grabber" — Retrieve dropped parts from hard-to-reach places. 14" long — depress button to extend fingers — release to grab the lost part.

No. 714
SKIN-PACK

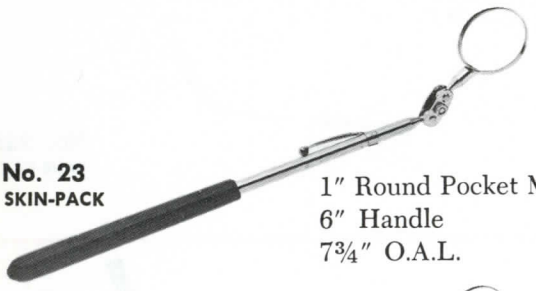
No. 715
SKIN-PACK

FLEXIBLE SHAFT MECHANICAL FINGER

No. 715 This tool may be bent to position for retrieving parts and will retain that position until you change it. Has many uses in shop and home for retrieving lost articles in almost inaccessible places.

INSPECTION MIRRORS

Fast accurate visual inspection of hidden areas. Double ball joint links swivel mirror for viewing to 360°. Linkage designed to withstand constant repositioning of mirror, to move freely and yet hold desired position. Replaceable mirrors are plated copper backed. Insulated vinyl grips.



No. 23
SKIN-PACK

1″ Round Pocket Mirror
6″ Handle
7¾″ O.A.L.

No. 24
SKIN-PACK

1″ x 2″ Oval Pocket Mirror
6″ Handle
8¾″ O.A.L.

No. 25
SKIN-PACK

2″ Round Mirror with
Telescoping Handle

6″ Handle Extends to 12″
Over-All Length 15″

No. 27. 2″ x 3½″ rectangular mirror with telescoping handle. 6″ handle extends to 12″. Overall length 16½″.

No. 27
SKIN-PACK

No. 623
SKIN-PACK

No. 624
SKIN-PACK

No. 625
SKIN-PACK

INSPECTION MIRRORS

One hand Inspection Mirrors for automotive, aircraft, electronic, TV repair and other applications. Full 90° swing tilt with easy thumb operated lever that locks mirror at desired angle. Tripping the lock lever returns the mirror to the straight position. For easy operation, do not hold like a hypodermic needle. Grasp with palm of hand on handle knob and use forefinger opposite the lock lever. Thumb operates the lock.

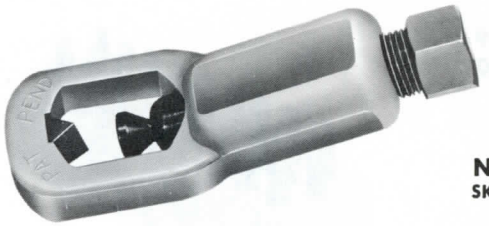
No. 623. Mirror Size 1¼″ x 1½″ O.A.L. 11″

No. 624. Mirror Size $1\frac{11}{16}$″ x $2\frac{9}{16}$″ O.A.L. 16″

No. 625. Mirror Size 2⅛″ x 3¼″ O.A.L. 17″

NUT SPLITTING TOOL

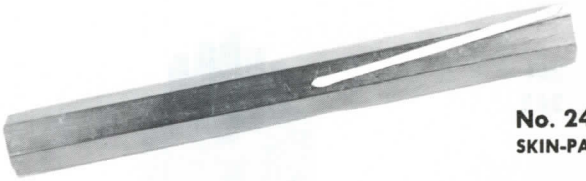
No. 183. A real time saver for removal of rusted or corroded nuts. This small compact tool (4¾" long) will split nuts up to ½" automotive series or any nut ⅞" across flat. A few turns with any ¾" hand wrench (no power needed) — and the nut is split for easy removal. Made from high grade heat-treated steel. Cadmium plated. Individualy packaged.



No. 183
SKIN-PACK

TAILPIPE EXTRACTOR

No. 249. No heat necessary when using this tool. Simply cut off tailpipe with hacksaw 2" from muffler. Insert extractor slot over cut end of tailpipe and drive toward muffler. When pipe is fully engaged apply $1\frac{1}{16}$" wrench to tool and twist to collapse and remove pipe. Complete illustrated instructions included.



No. 249
SKIN-PACK

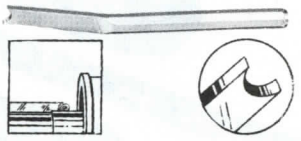
METAL AND MUFFLER CUTTER

No. 256. Offset to be held easily away from the tail pipe, patented quick curl cut blade. A fine alloy heat-treated tool. Cadmium plated. ½" octagon stock, 7½" long.

No. 256
SKIN-PACK

TAILPIPE REMOVER AND METAL PEELER

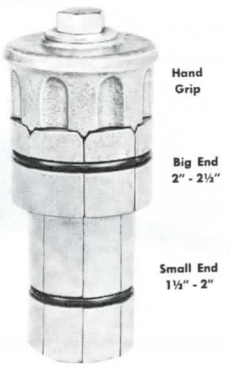
No. 296. Used and approved by thousands of mechanics who appreciate its speed, efficiency and durability. A few light blows, and the muffler and tailpipe or exhaust pipe are ready to slip apart. The "curl-cut" is quick and positive. Cuts all kinds of sheet metal. 10" in length — ½" octagon, alloy, heat-treated stock.



No. 296
SKIN-PACK

TAILPIPE EXPANDER

No. 250. Removes clamp grooves and "rounds out" tailpipe in one easy, sure operation. Assures gas-tight fit. Easy to install new pipe or muffler. Range 1½" to 2½".



No. 250

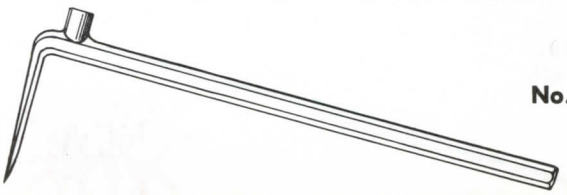
MUFFLER AND TAIL PIPE CUTTER

No. 255. Alloy, heat-treated tool, with special patented "Curl-Cut" feature. Offset blade for positive, safe hammer blows. The non-flammable handle absorbs vibration.

No. 255

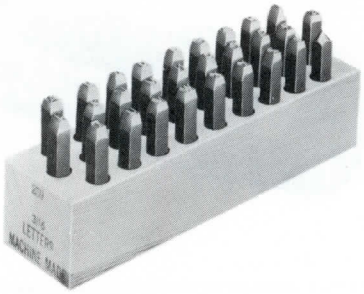
MUFFLER AND TAILPIPE REMOVER

No. 263. Safe: no torches or burns. Saves: no damage to reused parts. Simple: insert, drive, tap out. Strong: super alloy, heat-treated, cadmium plated. Individually packaged.



No. 263

No. 259
No. 260



HIGH CARBON HEAT-TREATED STAMPS

Made from fine quality steel selected for its proven ability to stand the gaff. Special heat treatment gives the stamp three distinct hardness zones. The character end is hardened to just the right degree to prevent chipping or battering. The shank is made very tough to prevent bending. The hammer end is tempered to prevent mushrooming under repeated blows of the hammer. Index mark on thumb side. Treated with rust preventative.

Letter Sets consist of 28 characters including & and a period. Available in 3/16" and 1/4".

Stock No.	Size
259	3/16"
260	1/4"

No. 261
No. 262

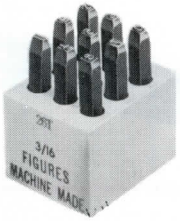


Figure Sets consists of nine numbers from 0 to 8, the 6 also being used for the 9. Available in 3/16" and 1/4".

Stock No.	Size
261	3/16"
262	1/4"

No. 74
SKIN-PACK

ELECTRIC MARKING PENCIL

No. 74. Writes permanently on all metals for identification of tools, equipment and parts. Operates on 6 or 12 volt battery or transformer. Writes like a pencil, tip is replaceable. Complete with heavy duty ground lead.

No. 351
SKIN-PACK

HEAVY DUTY SCRATCH AWL AND SCRIBING TOOL

No. 351. Special heat treated shank 5/16" x 5" long set in metal ferrel pressed into virgin plastic handle. Heavy duty tool for aligning work, scribing and punching.

No. 349
SKIN-PACK

ALL PURPOSE AWL AND SCRIBING TOOL

No. 349. Special heat treated tapered shank 3/16" x 3" set in metal ferrel — pressed into virgin plastic handle. Used for scribing, aligning work, punching holes in light metal and for tire repair.

No. 627
SKIN-PACK

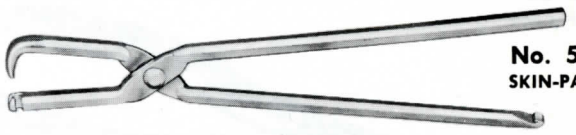
NEW

MACHINISTS' HOOK SCRIBE

No. 627. 2-Point scriber, one straight and one bent point screw into a knurled steel body. Points are hardened. Overall length 9 inches.

BRAKE SPRING PLIER

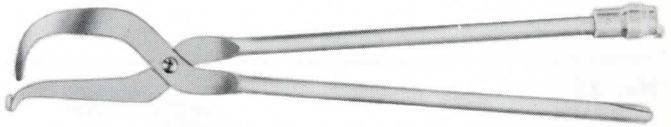
No. 59. The slotted arm guides the spring hook into position in the anchor hole. End of handle is used to fasten post anchor type springs. Sturdy, for durability and leverage. 12″ overall length. Cadmium plated.



No. 59
SKIN-PACK

BRAKE SPRING PLIER

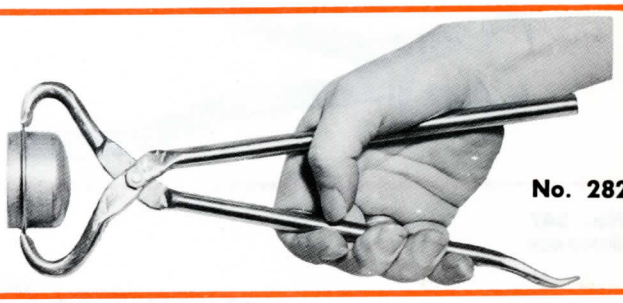
No. 267. Universal brake spring plier for removing and replacing springs. Includes special socket for Bendix type brakes. Forged and heat treated. Length 13½″.



No. 267
SKIN-PACK

GREASE CAP REMOVER PLIER

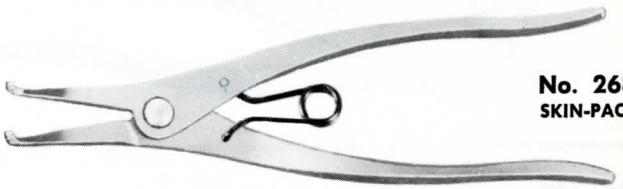
No. 282. The thin jaws of this powerful alloy steel tool slip behind the tightly seated cap. The wedge shape of the jaws force the cap away from the hub. Long handle provides ample leverage. The spade end on one handle quickly pries off the wheel cover and trim ring. 11″ overall length. Cadmium plated.



No. 282

LOCK RING PLIER

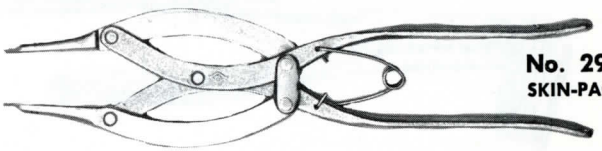
No. 268. Designed to spread snap rings of all types used on brakes, transmissions, etc. Nose deeply serrated for firm grip. Tempered alloy steel with wide comfortable handles. Chrome plated. 7⅝″ long.



No. 268
SKIN-PACK

PARALLEL JAW LOCK RING PLIER

No. 291. New design allows larger spread of jaws to 1⅛″. Plier shape provides maximum working clearance. Strong thin nibs have square dimple to hold lock ring. Smooth, parallel action. Forged and heat treated.



No. 291
SKIN-PACK

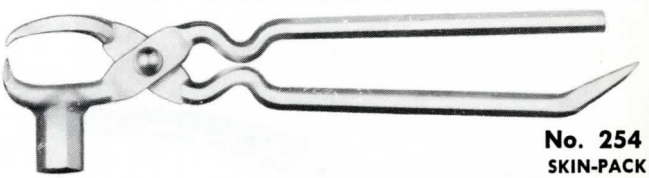
GREASE CAP PULLER

No. 293. An indispensable tool in every service station and auto repair shop. Slip notched arm over the flange on grease cap — drop hinged jaw behind flange: slide cap off with light pressure to either side.

No. 293
SKIN-PACK

WHEEL WEIGHT BALANCER PLIERS

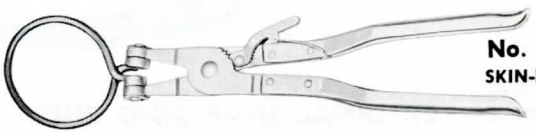
No. 254. Here is a strong alloy, heat-treated tool, designed for hard usage. It is balanced, and heavy enough to swing like a hammer. The points are sharp, and well tempered. Will not pinch your hand. Cadmium plated.



No. 254
SKIN-PACK

HOSE CLAMP PLIER

No. 452. Now, with this New Plier, you can keep the wire clamp spread open and free both hands. Because of its finger tip "position lock," it's easy work to replace the lower radiator hose. Locks in 3 positions — fits all size clamps. Perfectly balanced. Nickel plated.



No. 452
SKIN-PACK

No. 39
SKIN-PACK

BEZEL NUT & ANTENNA NUT PLIERS

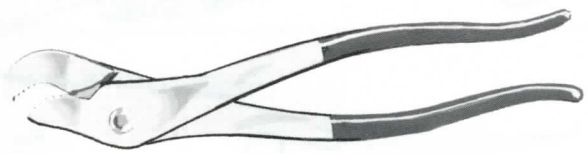
No. 39. Controls usually found on instrument panels, such as light, wiper and ignition switches, are held in place by a bezel nut. Using these new bezel nut pliers, the mechanic can easily loosen or tighten such nuts and usually without removing the control knobs. This plier-type design and shape of the gripping points allows the tool to be used on all sizes of bezel nuts. Handles covered with red plastic grips.

No. 35
SKIN-PACK

DOOR HANDLE CLIP REMOVER

No. 35. Designed to work on all Ford and GM cars and trucks. The longer thinner — but stronger — jaws make this the most efficient and economical door handle tool on the market today. Cadmium plated.

No. 547
SKIN-PACK



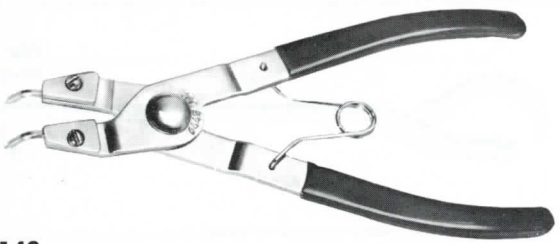
BATTERY PLIER

No. 547. A powerful self-gripping battery plier designed to give maximum leverage. May be used on square, hex or round parts. The tapered nose permits use in cramped areas. Forged and heat treated — 7½" long.

No. 549
SKIN-PACK

TERMINAL CLAMP SPREADER

No. 549. Spread the battery clamp and clean inside area in one operation. Terminal cleaner on handle used to remove corrosion from terminal and insure positive electrical contact. Forged and heat treated — 7½" long.

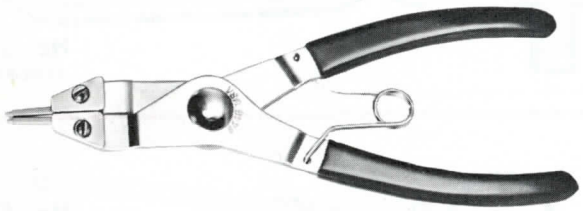


No. 148
SKIN-PACK

INTERNAL SNAP RING PLIER

SNAP RING PLIERS

An economy plier with easily interchangeable tips that makes snap ring installation and removal "a snap." Available in both external and internal types with four sets of tips. Plastic handles insure a non-slip comfortable grip. Hexagonal points are automatically aligned and cannot twist. Each plier is individually packed with four sets of interchangeable tips.



No. 149
SKIN-PACK

EXTERNAL SNAP RING PLIER

REPLACEABLE TIPS

No. 148-1. 90° Angle tip .035 Diameter.
No. 148-2. 45° Angle Tip .045 Diameter.
No. 148-3. Straight Tip .045 Diameter.
No. 148-4. Straight Tip .060 Diameter.

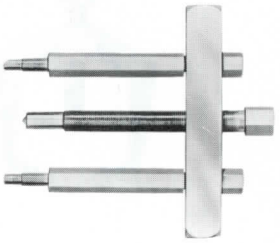
TIMING GEAR PULLER

No. 10. Here is a very handy tool for pulling timing gears, and all other gears that have tapped holes. The sliding jaws enable the tool to handle gears of all widths. Cross arm 1″ square, side screws ⅜ - 16 and 5/16 - 18.

Specifications:

Length of Body	6½″
Length of Center Screw	6½″
Length of Side Screw	6½″

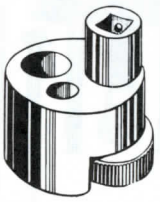
This tool may be used with No. 501 Bearing Splitter.



No. 10

STUD REMOVER AND REPLACER

No. 19. This powerful tool is designed to fit into the hard-to-reach spots and get out the hard-to-turn studs. Capacity from ¼″ to ¾″ in diameter. Cadmium plated. Individually packaged.



No. 19

No. 22

TIE ROD END PULLER

No. 22. This powerful wedging tool is manufactured from a single piece of drop forged, alloy, heat-treated steel, and will stand up under hard usage. Cadmium plated. Individually packaged. Length 16″. Jaw opening 21/32″.

UNIVERSAL PILOT BEARING PULLER

No. 28. Removes bearings or brushings on flywheels, pump, generator, etc. Capacity ½″ to 1½″ I. D.

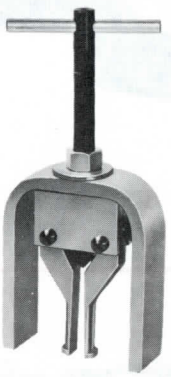
No. 28-6 A: Interchangeable jaws for smaller bearings ⅜″ to 1⅜″ capacity.

No. 28

BEARING PULLER

No. 31. When working space is limited, this type of puller is needed for removal of flywheel pilot bearings from automobiles, trucks, and tractors. Only 7½″ long, the tool can also be used to pull bearings or bushings from generators and starters. Capacity: ½″ to 1½″ I. D.

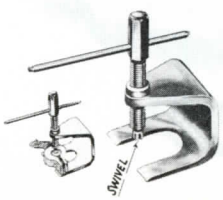
No. 31-6 A: Interchangeable jaws for smaller bearings ⅜″ to 1⅜″ capacity.



No. 31

BATTERY TERMINAL PULLER

No. 34. This drop forged, alloy, heat-treated tool is especially designed to pull the battery cable from the post. Insert jaws under the terminal, turn "T" handle, and the cable is loose. Individually packaged. Cadmium plated.



No. 34

No. 186

PITMAN ARM PULLER

No. 186. This tool can be used to remove the pitman arms from the majority of cars and light trucks. The yoke is forged from a high grade alloy steel, heat-treated to withstand the toughest service. $1\frac{5}{16}$" opening — $2\frac{1}{2}$" pull.

No. 187

STEERING WHEEL PULLER

No. 187. This tool is designed to pull steering wheels on all major makes of automobiles. The $\frac{5}{8}$" x 4" center screw is equipped with a floating swivel, recessed to prevent damage to horn wire connections on Buick and Cadillac. Three sets of side screws provided: $\frac{3}{8}$ x 16 ($2\frac{3}{4}$" long), $\frac{5}{16}$ x 18 ($2\frac{3}{4}$" long), $\frac{5}{16}$ x 24 ($2\frac{1}{2}$" long). Cadmium plated, Individually packaged.

No. 189

FORGED HARMONIC BALANCER PULLER

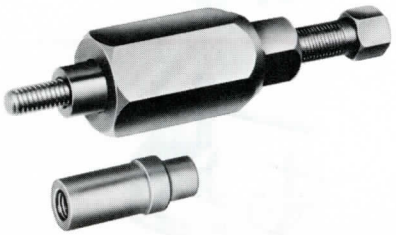
No. 189. This puller is designed to pull balancers, vibration dampers, pulleys and gears with tapped holes. The four slots in the yoke, allow the use of this tool in either two or three hole applications. The floating swivel prevents damage to shaft ends. Included are the necessary side screws with washers — Three $\frac{3}{8}$ - 24 x 2", Three $\frac{5}{16}$ - 18 x 2", Two $\frac{3}{8}$ - 16 x 4". Cadmium plated. Yoke is forged from alloy steel, heat-treated. The finest tool of its kind available.

No. 192

PULLEY PULLER

No. 192. This tool is designed and built to give you positive pulling power to remove pressed-on one or two groove pulleys on Alternators and Power Steering Pumps . . . will also remove Alternator Bearings. The attached jaws fit over the flange and are locked into position by adjusting thumb screws. Turning down on the center pressure screw produces a powerful, equally distributed pulling force. There are no loose parts on this tool to get lost or misplaced.

No. 193



FORD POWER STEERING PUMP PULLEY INSTALLER

No. 193. Designed specifically to press the pulley on the power steering pump shaft. Includes No. 193-A Adapter for installing pulleys on Chrysler products.

BALL JOINT SEPARATOR

No. 190

No. 190. Placed between ball joint and steering knuckle, and given a few sharp blows with a hammer, this tool separates these stubborn parts with ease. Forged and heat treated. Length: 11⅞". Opening 15/16".

PITMAN ARM WEDGE

No. 191

No. 191. This sturdy tool removes pitman arms and similar operations. Wedge end of tool is placed or driven between parts to be removed and a few sharp blows of a hammer accomplishes an otherwise difficult job. Cadmium plated alloy steel will not mushroom or bend. Length 11¾". Jaw opening 1⅛".

UNIVERSAL WHEEL PULLER

No. 235

No. 235. The most practical and versatile hub puller made. Sliding puller arms quickly and easily adjust to fit any type hub. Because of unique arm suspension a straight pull is made on all size bolt circles up to and including 7½" in diameter. The heavy duty forcing screw rides in a sliding bearing to permit use of bumping action on screw drive end or drive handle without damage to the threads. The floating cap on the contact end of the screw centers on the axle and, by its action, prevents injury to the axle or the puller screw. All alloy steel construction for added ruggedness and long life. Finished in all satin plate.

UNIVERSAL JOINT PULLER

No. 473

No. 473. Designed to remove and assemble universal joints on the majority of passenger cars and light trucks in less than 20 minutes. The key to this method is in the use of the special adapter which allows the bearing cups to be removed in one simple and fast operation. A horseshoe shaped spacer is provided for use on certain types of joints having a longer than normal skirt.

BEARING SPLITTERS

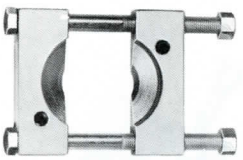
No. 501

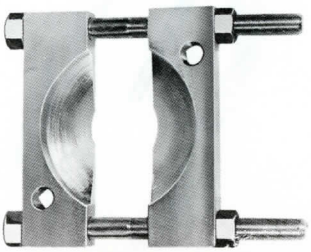
No. 503

For removing generator gears, bearing cones, bearings, and similar parts that ordinary puller jaws cannot reach. Knife edges are flush on one side for easy pulling.

No. 501. Capacity: 0" to 2¼". Use with Puller No. 10.

No. 503. Capacity: 0" to 4¼". Use with Puller No. 242.





TWO JAW PULLERS

No. 243

No. 242

No. 241

No. 240
SKIN-PACK

No. 130

QUICK CHANGE COUPLER

No. 131

No. 132

"QUICK CHANGE" GEAR PULLERS

Instantly Adjustable and Reversible

These New Gear Pullers are the ultimate in design and durability. The "Quick Change" feature is the greatest time saving addition to pulling tools in years!

FEATURES:

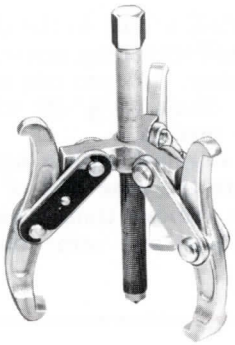
1. Two available types: Reversible, No. 241 and No. 242. Straight Jaw adjustable, No. 240 and No. 243.
2. Fewer parts, pins are pressed into link — to reverse jaw, only three parts involved: (1) link with locking arm, (2) link with two grooved pins, (3) the jaw.
3. Buttress type thread — affords ⅓ more strength.
4. Body and jaws are forged. All parts heat-treated. Cadmium plated.

Specifications:

Part No.	Max. Reach	Max. Spread	Lgth. & Dia. of Forc. Screw	Remarks
240	3¼"	0"-4"	⅜" x 4¼"	For removing magneto and generator bearing and gears. Ideal for electric motor and refrigeration work.
241	3⅜"	0"-6"	⅝" x 6"	Has wide and narrow face jaws for a variety of applications.
242	5½"	0"-8"	¾" x 8 5/16"	Heavy duty type for automotive and industrial uses. Slotted jaws for cap screw. Pulling of tapped gear and pulleys.
243	9"	0"-10"	¾" x 8 5/16"	Adjustable effective reach — 3 positions make this a multi-use tool for flywheel gear and pulley remover.
130	5½"	0"-7"	⅝" x 6⅞"	Middle range puller— 2 positions to handle many jobs.
131	11"	0"-12"	15/16" x 12"	Heavy duty puller — 2 positions.
132	15"	0"-14"	13/16" x 12"	Heavy duty puller — 3 positions.

THREE JAW PULLERS

No. 244



No. 245

"QUICK CHANGE" "3" JAW PULLERS

We are proud to introduce the new three jaw adaptation of the "Quick Change" Gear Pullers. They are built in the same sizes and capacities as the two arm pullers. They provide the means and the power to pull gears, flywheels, pulleys, and other parts where it is necessary to apply the arms between spokes, and where no other puller can be applied.

Specifications:

No. 244.	Maximum Reach	3½"
	Maximum Spread	6"
	Lgth. & Dia. of Forcing Screw	⅝ x 6"
No. 245.	Maximum Reach	5½"
	Maximum Spread	8"
	Lgth. & Dia. of Forcing Screw	¾ x 8 5/16"
No. 246.	Maximum Reach	9"
	Maximum Spread	10"
	Lgth. & Dia. of Forcing Screw	¾ x 8 5/16"
No. 133.	Maximum Reach	5½"
	Maximum Spread	7"
	Lgth. & Dia. of Forcing Screw	⅝ x 6⅞"

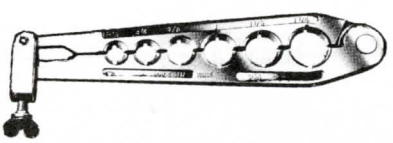
QUICK CHANGE COUPLER

No. 246

No. 133

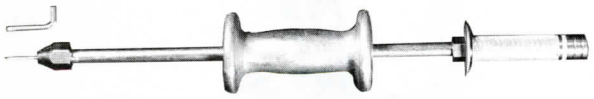
AXLE RETHREADING DIE

No. 224. This high quality, heat-treated tool does a fast job of restoring battered axle threads. The die is split for quick application. It is fitted to the threads at the back of the axle and rechases the damaged part, restoring it to its original condition. Contains the following sizes: ¾" - 16, ¾" - 20, ⅞" - 14, 1⅛" - 12, 1¼" - 12.



No. 224

No. 495



BODY DENT PULLER (TRANSMISSION SEAL REMOVER)

No. 495. Punch or drill a hole in the deepest part of the dent, and insert the self-threading screw. A few light raps with the sliding hammer, and you can return the metal to its original position. Shaft is ½"-20 with locking device to keep screw from turning.

This tool supplied with a hardened right angle hook that threads into the nose bolt of the slide hammer. This hook is used to remove transmission oil seals by inserting hook behind seal and using the slide hammer to drive seal out.

No. 494
SKIN-PACK

SWIVEL ADAPTER FOR NO. 495

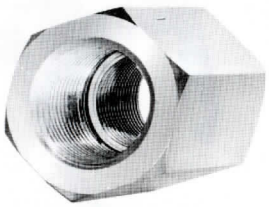
No. 494. Swivel adapter for No. 495 Body Dent Puller. Allows body man to pull dents in areas where straight away pull is impossible. Inside panels, under fenders, body panels, etc. Threaded ½" x 20".

HOOK ADAPTOR FOR NO. 495

No. 491
SKIN PACK

No. 491. Made to use with the No. 495 Body Dent Puller. Ideal to pull dents in tight places, such as, headlights and raindrains. Also, to remove small gears, bushings, cups and seals. Forged from high alloy steel and heat-treated to withstand the impact. 4½" overall length — ½" x 20 threads.

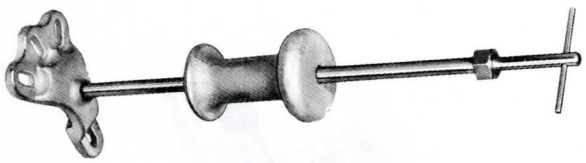
No. 497



ADAPTER-AXLE SHAFT REMOVER

No. 497. For use with 498. This threaded coupling or adapter is needed to remove the axle shaft on Rambler and Chrysler product cars except the Valiant and Lancer. Threaded with ¾"-16 on one end and ⅞"-14 on the other.

No. 498



FLANGE TYPE AXLE PULLER

No. 498. This tool can be used as a regular wheel puller or hub puller as well as a flange type puller. The bolt circle range is from 4½" to 5½" which covers all major cars and small trucks with flange type axles. The four slots in the adapter allow this tool to be used on either 4, 5, or 6 bolt or stud designs. Has extra heavy 5¼ pound sliding hammer. Shaft threads ⅝" - 18".

No. 496

YOKE FOR VALIANT AND LANCER

No. 496. For use with 498. This special yoke is designed to remove flange type axles on the Valiant and Lancer compact cars. Range: 3¾" to 4½".

No. 248

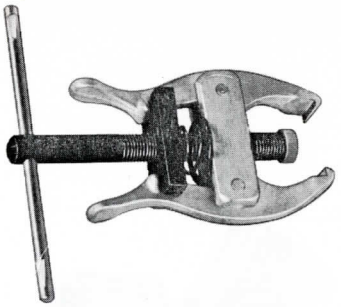
SLIDE HAMMER PULLER

No. 248. Here is a real "Universal" puller with a multitude of applications. Fully reversible, large capacity jaws quickly adapt this tool to handle your pulling jobs from 0-5" on external gripping, and 1¼" to 6" on internal work. The 3-Way yoke has two staggered holes for each arm, giving greater range with parallel pull. The "T" handle shaft is 24" long, with forged no-pinch safety stop. The jaws are of an alloy heat-treated steel, chrome plated.

BATTERY TERMINAL AND BEARING PULLER

For battery terminal clamps and Ford Generator Bearings.

No. 548. This battery terminal clamp puller is of the two jaw design for removing badly corroded battery cable clamps and small generator bearings. The jaws are designed to grip below the cable clamp.



No. 548
SKIN-PACK

DIFFERENTIAL SIDE CARRIER BEARING PULLER

No. 2420. Designed for removing Differential Side Carrier Bearings on cars and light trucks where sufficient clearance is behind the bearing to insert the jaws. The pull is on the inner race, thus eliminating strain on the bearing itself. Three adapters are provided to plug axle shaft holes in the differential and provide a center for the forcing screw of the puller. These three sizes of adapters will fit the most popularly used models.

NEW

No. 2420

STRAIGHT LINE PULLERS

A completely New Puller Line of Unusual Design. "Straight-Line" Pullers are planned to do a wide range of jobs with fewer parts at less cost. All Jaws and Clevis Assemblies can be used on EITHER the 6 inch or 9 inch yoke. Jaws can be used for inside or outside pulling. Provide straight line pulling for a great number of uses. A turn of the knurled nut locks the clevis securely in place on the double cross arm. No springs to break or lose. A variety of jaws are available for many uses. Jaws can be quickly and easily interchanged. Patent Pending.

No.	Description	No. Req.
2403-1	6″ Yoke — 2 Jaw	1
2403-2	Center Screw ⅝″	1
2405-1	9″ Yoke — 2 Jaw	1
2405-2	Center Screw ¾″	1
2407	Clevis Assembly	2

No.	Description	No. Req.
2411	Cap Screw Jaw	2
2412	4¼″ Jaw	2
2413	5½″ Jaw	2
2414	8½″ Jaw	2
2415	11″ Jaw	2

NEW

No. 2405

HEAVY DUTY 9 INCH YOKE 2-JAW PULLER WITH No. 2414 JAWS

No. 2400 Set

NEW

No. 2403

MEDIUM DUTY 6 INCH YOKE 2-JAW PULLER WITH No. 2412 JAWS

No. R-861

SMALL BORE CYLINDER RIDGE REAMER

Number	
R861	Will remove the unworn ridge in cylinders with diameters from 2″ to 3″. Three cutting blades, each piloted to prevent undercutting, accurately and quickly remove the unworn ridge, leaving no step or shoulder in the cylinder wall. In cardboard box
R862	Set of 3 blades for No. 861

SOLID TYPE VALVE GUIDE REAMERS

Standard sizes for domestic and foreign cars and trucks. Oversizes for engines with integral cast valve guides. Our solid type valve guide reamers are made of high quality tool steel, properly heat treated. Unequally spaced flutes eliminates chattering and permits sharpening to a keen edge for free cutting.

Number	Diameter Decimal	Diameter Inches	Length
R2000	.2362		7
R2001	.250	1/4″	7
R2002	.2756		7
R2003	.2812	9/32″	7
R2004	.3125	5/16″	7
R2005	.3155	5/16 + .003	7
R2006	.3175	5/16 + .005	7
R2007	.3275	5/16 + .015 (21/64″)	7
R2009	.3425	5/16 + .030	7
R2010	.3437	11/32″	7
R2011	.3467	11/32 + .003	7
R2011A	.3537	11/32 + .010	7
R2012	.3543		7
R2013	.3587	11/32 + .015 (23/64″)	7
R2013A	.3637	11/32 + .020	7
R2014	.373	.373 Std.	7
R2015	.3737	11/32 + .030	7
R2016	.375	3/8″	7
R2017	.376	.373 + .003	7
R2018	.378	3/8 + .003	7

Number	Diameter Decimal	Diameter Inches	Length
R2019	.380	3/8 + .005	7
R2020	.388	.373 + .015	7
R2021	.390	3/8 + .015 (25/64″)	7
R2023	.3937	.373 + .020	7
R2024	.395	3/8 + .020	7
R2025A	.396	.396 Std.	7
R2026	.403	.373 + .030	7
R2027	.405	3/8 + .030	7
R2028	.4062	13/32″	7
R2030	.4375	7/16	9
R2031	.4405	7/16 + .003	9
R2032	.4525	7/16 + .015 (29/64″)	9
R2033	.4675	7/16 + .030	9
R2037	.500	1/2″	9
R2040	.5625	9/16	9
R2042	.625	5/8″	9

No. R-84

SOLID TYPE

KING PIN AND PISTON PIN REAMERS

Number	Size	King Bolt and Bushing Reamer
R84A	.7965″	All Plymouth & Dodge 1935-52 (except Dodge 7 Pass. & Limousine); Some Chrysler & DeSoto Models; Kaiser, Frazer & Henry J to '52. Also ½ Ton Dodge Trucks.
R68A	.8135″	All A, B, V-8 Ford Pass. Cars, Incl. 1952, ½, ¾ Ton Ford Trucks, Incl. 1952 Mercury Cars 1938-48 Incl. & 52-53.
R72	.8605″	Ford Truck Models F1 & F2 for years 1953-1954 (KIB).
R89A	.863″	Buick 1934-52 Models 40, 50, 60 & 70. All Oldsmobile 1926-52; Pontiac 1937-52.
R74A	.867″	All Chevrolet Pass. Cars, Cars with Ind. Wheel Suspension, 1934-52; 1941-52 ½ Ton Trucks; All Packard Models six & eight, 1935-52 inclusive.
R82	.922″	Chevrolet 1½ Ton Trucks, 1931-50 (Except Cab-over Engine & Heavy Duty). ¾ & 1 Ton 1946-52.
R78A	.938″	Lincoln Zephyr & Lincoln, 1937-51. Mercury 1949-51. Dodge Trucks, VF & WF Series 1940-47.
R73A	1.110″	Chevrolet Trucks, Cab-over & Heavy Duty, ¾, 1, 1½ & 2 Ton 1939-52 incl. Also GMC, Mack, Studebaker & White Trucks W/1.109 King Bolts.
R71	1.130″	Ford V-8 1938-52 incl. F4, F5 & F6, 1, 1½ & 2 Ton.
R82+10	.9325″	Same as R82—.010 Oversize.

NEW ADJUSTABLE TYPE REAMERS AND PILOTS

These reamers with the detachable pilot make a complete and efficient reaming tool. The reamer may be used without the pilot on many jobs and with pilot attached, as an aligning reamer. The pilot to these reamers will fit most other makes of reamers. Available in sizes and specifications listed below.

REAMERS ONLY

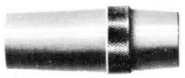
Number	Size Inches	No. of Blades	Length Overall, Inches Reamer	Blades
R8A	1/4 - 9/32	4	3 1/2	1 5/8
R7A	9/32 - 5/16	4	3 3/4	1 5/8
R6A	5/16 - 11/32	4	4	1 5/8
R5A	11/32 - 3/8	4	4 1/4	1 7/8
R4A	3/8 - 13/32	4	4 1/2	1 7/8
R3A	13/32 - 7/16	6	4 3/4	1 7/8
R2A	7/16 - 15/32	6	5	1 7/8
RA7	Set of Seven Reamers in Metal Box, R8A-R2A			

REAMERS WITH PILOTS

Number	Range	Blade Length	Length Overall	Number of Blades
RA	15/32" to 17/32"	2"	5 1/4"	6
RB	17/32" to 19/32"	2"	5 3/4"	6
RC	19/32" to 21/32"	2 1/4"	6 1/4"	7
RD	21/32" to 23/32"	2 1/4"	6 3/4"	7
RE	23/32" to 25/32"	2 1/2"	7 1/4"	7
RF	25/32" to 27/32"	2 1/2"	7 3/4"	7
RG	27/32" to 15/16"	3"	8 1/4"	7
RH	15/16" to 1 1/16"	3"	8 3/4"	7
RI	1 1/16" to 1 3/16"	3 1/2"	10"	7
RJ	1 3/16" to 1 11/32"	3 1/2"	11"	7
RK	1 11/32" to 1 17/32"	4"	12"	7
RL	1 17/32" to 1 25/32"	4"	13"	7
RM	1 25/32" to 2 7/32"	5 1/4"	15"	7
RN	2 7/32" to 2 3/4"	5 3/4"	17"	7
RO	2 3/4" to 3 11/32"	6 1/2"	19"	7

REAMER SETS

R1	Set of 8 Reamers only, RA to RH
R3	Set of 8 Reamers and Pilots, RA to RH
R8P	Set of 12 Reamers and Pilots in Metal Box, RA to RL
R8	Set of 12 Reamers only, RA to RL



PILOT

REAMER & PILOT

ADJUSTABLE TYPE

ADJUSTABLE BLADE EXPANSION TYPE

Number	Size	Number	Size
R395	1/4" to 9/32"	R399	3/8" to 13/32"
R396	9/32" to 5/16"	R400	13/32" to 7/16"
R397	5/16" to 11/32"	R401	7/16" to 15/32"
R398	11/32" to 3/8"		

R394 Set of 7 adjustable reamers numbers 395 through 401 in metal box.

PRECISION PILOT REAMERS

These reamers have double taper, counter sunk pilot bushings to get perfect alignment. This affords the best way to ream king bolt bushings, piston pin bushings, spring shackle bushings, water pump bushings, and tie rod bushings. Furnished individually, or in sets, as follows:

Number	Range	Number	Range
R1B	7/16"—1/2"	R9B	.915"—1"
R2B	1/2"—9/16"	R10B	.985"—1 1/16"
R3B	9/16"—5/8"	R11B	1 1/16"—1 1/8"
R4B	5/8"—11/16"	R12B	1 1/8"—1 1/4"
R5B	11/16"—3/4"	R13B	1 1/4"—1 3/8"
R6B	.730"—13/16"	R14B	1 3/8"—1 1/2"
R7B	13/16"—7/8"	R15B	1 1/2"—1 5/8"
R8B	.860"—15/16"	R15BA	1 5/8"—1 13/16"

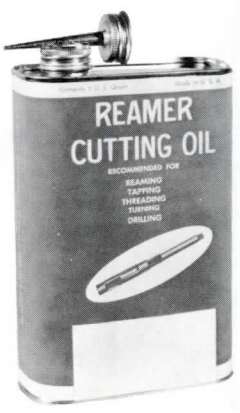
R16B Set of 4 Reamers, R1B to R4B, Range 7/16" to 11/16".
R17B Set of 7 Reamers, R5B to R11B, Range 11/16" to 1 1/8".

RB SERIES

REAMER CUTTING OIL

This Reamer Cutting Oil prevents grabbing, galling, chattering and squealing. A few drops distributed evenly over the surface to be reamed or machined will save many times its cost on repairs and resharpening of your cutting tools. Also recommended for all tapping, threading, turning, and drilling, and is especially important when reaming the tough alloy bronze bushings now used on most cars and trucks.

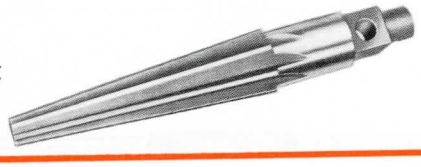
No. R38. One quart can.



No. R-38

No. 252
SKIN-PACK

No. 253
SKIN-PACK



REPAIRMAN'S TAPER REAMERS

For removing burrs, enlarging and aligning holes in sheet metal, aluminum, bronze, wood, plastic, etc., and for starting taps. Of heat-treated high grade tool steel and accurately machined. Made oversize so full range can be maintained after sharpening. Round shanks permit use with electric drill.

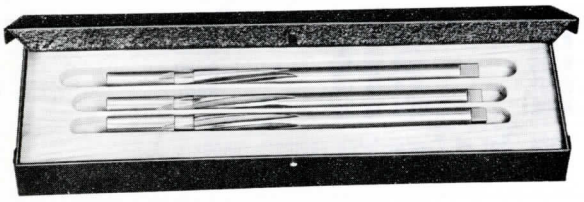
No. 252	Range 1/8" to 1/2"	Length 5 5/8"
No. 253	Range 7/16" to 1"	Length 6 1/2"

No. 258
SKIN-PACK

TAPER REAMER 1/8 - 3/8

No. 258. An excellent tool to ream, de-burr, align and start taps. Made of high grade tempered tool steel, with sure grip virgin plastic handle.

No. R-1132



SOLID TYPE VALVE GUIDE REAMERS

Special Sets for Engines with Integral Cast Valve Guides. Also Standard Sets

Many late model cars and trucks do not use removable valve guides, therefore, when the guides become worn these reamers are necessary to ream them to accommodate the oversize valve stems furnished by the manufacturers.

Number	
R1132	For Chevrolet, Corvair, Edsel, Ford, Lincoln, Mercury, Pontiac Cars; Chevrolet, Ford and G.M.C. Trucks. Contains 3 reamers, numbers R2011 (11/32" + .003"), R2013 (11/32" + .015"), R2015 (11/32" + .030"), as illustrated, in metal box.
R1015	Set of 5 standard size reamers, numbers R2004 (5/16"), R2010 (11/32"), R2016 (3/8"), R2030 (7/16"), R2037 (1/2"), in metal box
R1016	Set of 4 standard size reamers, numbers R2004 (5/16"), R2010 (11/32"), R2016 (3/8"), R2030 (7/16"), in metal box.

SPECIAL TOOLS FOR SMALL GASOLINE ENGINES

No. R-860

VALVE SEAT RESEATERS

For low horsepower engines having 45° valve seats 5/8" to 1 1/4" diameters.

A very practical and inexpensive way to reseat both the intake and exhaust valve seats on these light duty engines used on Power Lawn Mowers, Washing Machines, Pumps, Generators, Garden Tractors, etc.

Number	
R860	Set consist of an 1 1/4"-45° Abrasive Cutter with coarse abrasive (for hard exhaust seats), one dozen Abrasive (6 coarse and 6 fine), also an 1 3/16"-45° Solid Type Cutter (used on the intake cast iron seats), one each 1/4", 9/32" and 5/16" Pilots and one Handle, in cardboard box.
R866-C	One Dozen Coarse Abrasive, 1 1/4"-45°.
R866-F	One Dozen Fine Abrasives, 1 1/4"-45°.

E-Z OUT VALVE RETHREADING TOOL

No. 46. 4-in-1 tool for removing and replacing tire valve cores, rethreading inside and outside of valve stem. E-Z out for backing out valve insides when shoulders are broken off. Made of high grade tempered steel. Nickel plated.

No. 46
SKIN-PACK

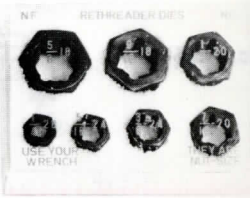
RETHREADING DIE KITS

Damaged threads instantly renewed. Uniform in quality and hardness. These dies are nut-size, and the only means for rethreading where space is at a minimum. Run these hardened dies on and off with any wrench. Will not undercut the good thread. Nut still fits like new. Color identified for selection at a glance. Each set in wooden holder.

No. 420. NC-USS Coarse, 7 piece set, includes following sizes: ¼", 5/16", 3/8", 7/16", ½", 9/16", 5/8". Copper color.

No. 421. NF-SAE Fine, 7 piece set, includes following sizes: ¼", 5/16", 3/8", 7/16", ½", 9/16", 5/8". Blue color.

No. 420
SKIN-PACK



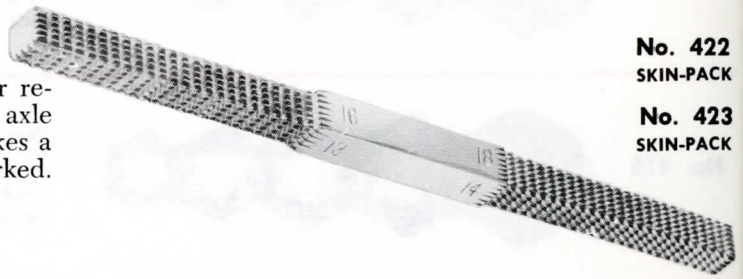
No. 421
SKIN-PACK

"NU-THREAD" FILES

Nu-Thread is the time tested thread restoring tool for renewing damaged threads on any diameter bolt, stud, axle or shaft. Nu-Thread is used just like a file. It also makes a perfect thread gauge. Each thread size is clearly marked.

No. 422. File for No. 11, 12, 13, 14, 16, 18, 20, 24.

No. 423. File for No. 9, 10, 12, 16, 20, 27, 28, 32.



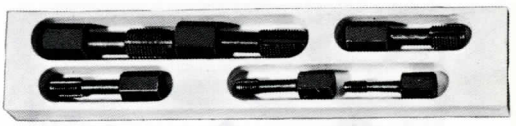
No. 422
SKIN-PACK

No. 423
SKIN-PACK

RETHREADER TAP SETS (6 Piece)

No. 426. NC-USS coarse thread tap set includes following sizes: ¼", 5/16", 3/8", 7/16", ½" and 9/16". Copper color.

No. 427. NF-SAE Fine, 6 piece, tap set includes following sizes: ¼", 5/16", 3/8", 7/16", ½" and 9/16". Blue color.

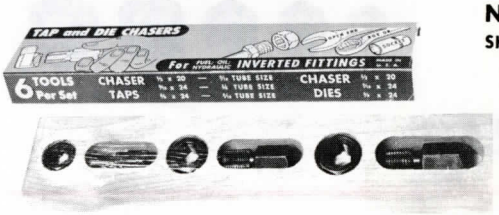


No. 426
SKIN-PACK

No. 427
SKIN-PACK

TAP AND DIE CHASER SET

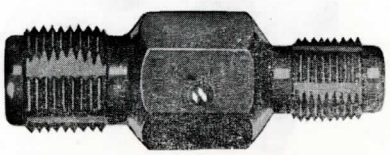
No. 424. Restore threads on Flared tube fittings quickly. Kit consists of 3 Chaser Taps and 3 Chaser Dies: ½ x 20, 7/16 x 24, and 3/8 x 24. Works on Fuel, Hydraulic, and Oil fittings for 5/16", ¼", and 3/16" tube size. Can be used by hand or with wrench or socket.



No. 424
SKIN-PACK

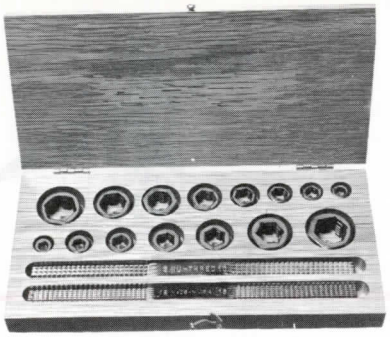
SPARK PLUG HOLE THREAD CHASER

No. 144. Has 14MM and 18MM chaser on opposite ends. Hexagonal section with lock ball permits use of any standard 13/16" opening wrench or deep socket. Each end shaped for easy starting.



No. 144
SKIN-PACK

No. 412



MASTER RETHREADING KIT

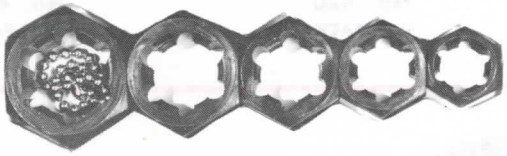
No. 412. A popular set for the master mechanic or shop. Contains 16 rethreader dies and two rethreader files (No. 422 and No. 423). Files work on any diameter of thread, right or left hand. 8 NC-USS Hex dies, ¼ through ¾ by 1/16″ for rethreading. 8 NF-SAE Hex dies, ¼ through ¾ by 1/16″ for rethreading. Files and dies packaged in unbreakable hinged plastic box.

No. 224

AXLE RETHREADING DIE

No. 224. This high quality, heat-treated tool does a fast job of restoring battered axle threads. This die is split for quick application. It is fitted to the threads at the back of the axle and rechases the damaged part, restoring it to its original condition. Contains the following sizes: ¾″ - 16, ¾″ - 20, ⅞″ - 14, 1⅛″ - 12, 1¼″ - 12.

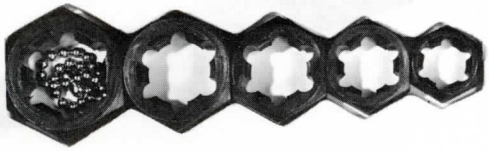
No. 417



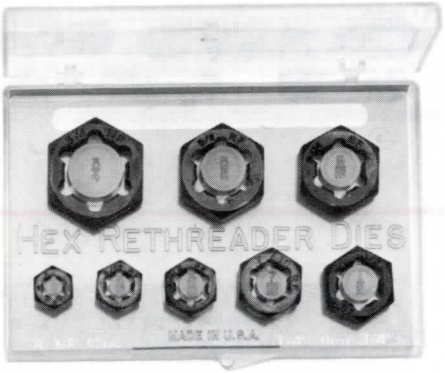
RETHREADING DIE KIT (5 Pieces)

No. 417. NC-USS - 5 piece hex die set, includes following sizes: ¾, ⅞, 1″, 1⅛″ and 1¼″. Packed in storage box. Beaded chain included for alternate storage method. Copper colored.

No. 418



No. 418. NF-SAE 5 piece Hex Die Set, includes following sizes: ¾, ⅞, 1″, 1⅛″ and 1¼″. Packed in storage box. Beaded chain included for alternate storage method. Blue colored.



No. 428 & 429
SKIN-PACK

RETHREADING DIE KITS

No. 428 & 429. Damaged threads instantly renewed. Uniform in quality and hardness. Will not undercut the good thread. Color identified for selection at a glance. Each set in a clear plastic holder.

No. 428. NC-USS Coarse, 8 piece set, includes following sizes: ¼″, 5/16″, ⅜″, 7/16″, ½″, 9/16″, ⅝″, ¾″. Copper color.

No. 429. NF-SAE Fine, 8 piece set, includes following sizes: ¼″, 5/16″, ⅜″, 7/16″, ½″, 9/16″, ⅝″, ¾″. Blue color.

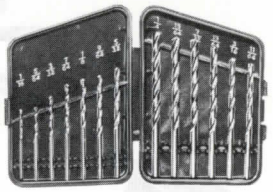
No. 413
SKIN-PACK

METRIC RETHREADING DIE SET

No. 413. Five piece metric rethreading die set for renewing damaged and corroded threads on import cars and machinery. Sizes 6 x 1 mm, 7 x 1 mm, 8 x 1.25 mm, 10 x 1.50 mm, 12 x 1.75 mm. In plastic storage kit.

HIGH SPEED TWIST DRILLS

No. 304. America's most popular Drill Set. Contains 13 drills from 1/16" to 1/4" by 64ths. Packed in a plastic Case of our own exclusive design.



No. 304
SKIN-PACK

DRILL GRINDING ATTACHMENT

No. 300. Grinds old drills like new — in 4 different drill point angles. Fits on any bench or grinder. Fast, Accurate, easy to use.

No. 300
SKIN-PACK

SCREW EXTRACTOR SET

No. 438. Contains Nos. 431, 432, 433, 434 in a snap fastened case to fit pocket or tool box. Forged alloy steel, this twist style extractor can be used to extract broken studs or screws. Correct drill size for hole in part to be extracted is indicated on the tool. Packed in plastic storage pouch.

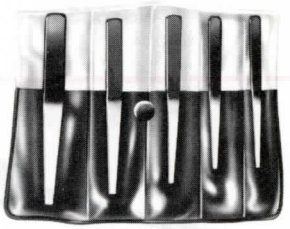
Specifications:

Screw Ext. No.	For removing screws Dia. (inches)	Dia. (inches) of Screw Extractor Shank	Point	Drill Size Inches
430	3/32 to 5/32	1/8	.060	No. 47
431	5/32 to 7/32	3/16	.080	No. 35
432	7/32 to 9/32	1/4	1/8	5/32
433	9/32 to 3/8	5/16	3/16	1/4
434	3/8 to 5/8	7/16	1 1/4	19/64

No. 438
SKIN-PACK

NEW TAPERED FLUTED EXTRACTOR SET

No. 441. This type extractor is designed to remove broken studs, screws, pipe and pipe fittings quickly and easily. Designed with gradual taper and long flutes. Machined close to the cutting edge to permit a tight grip on part being removed. Forged from alloy steel with correct drill size stamped in each tool. Packed in see-thru plastic pouch with complete information on bolt size, drill size, minimum depth of hole and pipe size.



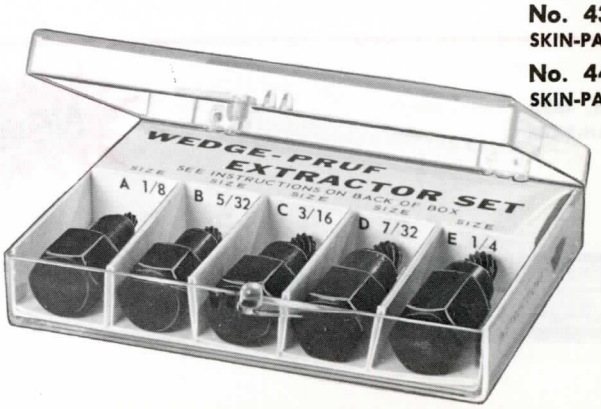
No. 441
SKIN-PACK

WEDGE PRUF SCREW EXTRACTOR SET

No. 439. Extractor sizes 1/8 - 1/4 for removing bolts 1/4" - 1/2" — Shoulder design prevents extractor from penetrating too far into bolt.

WEDGE PRUF SCREW EXTRACTOR SET

No. 440. 5 Extractor sizes 9/32" — 13/32" for removing bolt sizes 9/16" — 13/16".



No. 439
SKIN-PACK

No. 440
SKIN-PACK

No. 668
SKIN-PACK

No. 669
SKIN-PACK

NEW

MAGNETIC SCREWDRIVERS

Magnetic force holds insert bits securely in place yet allows bits to be quickly and easily changed. These drivers have handy storage compartments in their handles which keep extra bits right at hand for quick changes. Both drivers are offered complete with four of the most popular insert bits. Individually packaged with Nos. 1 and 2 Phillips,6-8, 8-10 slotted head bits.

No. 668. with 4 bits

No. 669. with 4 bits

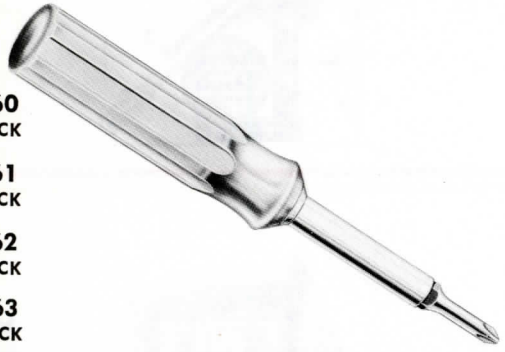
No. 660
SKIN-PACK

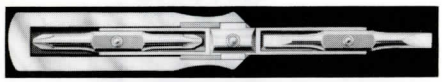
No. 661
SKIN-PACK

No. 662
SKIN-PACK

No. 663
SKIN-PACK

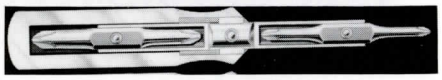
No. 664
SKIN-PACK





No. 660

No. 661



No. 662

No. 663

THE 4-IN-1 SCREWDRIVERS

- Double end hex bits held in each end of hex tube.
- Spring-ball inserts for firm hold and easy removal.
- Bits reversible in tube — tube reversible in handle.
- Instant bit change by just reversing bits or tube.
- Time saving, more practical — more tool for the money.

No. 660. $\frac{3}{16}$ and $\frac{1}{4}$ slotted — No. 1 and No. 2 Phillips

No. 661. $\frac{1}{8}$ and $\frac{3}{16}$ slotted — $\frac{1}{4}$ and $\frac{9}{32}$ slotted

No. 662. No. 0 and No. 1 Phillips — No. 2 and No. 3 Phillips

No. 663. $\frac{5}{32}$ and $\frac{3}{16}$ clutch — $\frac{1}{4}$ and $\frac{5}{16}$ clutch

No. 664. No. 1 and No. 2 Robertson — $\frac{5}{32}$ and $\frac{3}{16}$ clutch

REPLACEMENT BITS FOR NO. 660, 661, 662, 663, 664

No. 661-1. $\frac{1}{8}$ — $\frac{3}{16}$" slotted

No. 661-2. $\frac{1}{4}$ — $\frac{9}{32}$" slotted

No. 661-3. $\frac{3}{16}$ — $\frac{1}{4}$" Slotted

No. 662-1. No. 0 — No. 1 Phillips

No. 662-2. No. 1 — No. 2 Phillips

No. 662-3. No. 2 — No. 3 Phillips

No. 663-1. $\frac{5}{32}$ — $\frac{3}{16}$ clutch

No. 663-2. $\frac{1}{4}$ — $\frac{5}{16}$ clutch

No. 664-1. No. 1 and No. 2 Robertson

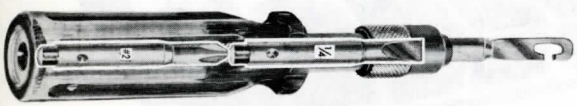
No. 139
SKIN-PACK

HEADLIGHT ADJUSTING SPRING HOOK

No. 139. This tool made from heat treated alloy steel is especially designed for removing and installing hard-to-reach headlight adjusting springs. OAL 6".

No. 665
SKIN-PACK

NEW



THREE-IN-ONE HEADLIGHT TOOL

No. 665. One tool contains 3 tools for installing and adjusting headlights,1 —#2 Phillips, 1 —¼" slotted screwdriver bit, and 1 hook blade for removing and installing springs in headlight assembly. All blades store in tool handle and may be changed by removing exposed blade and pushing it into butt end of handle, forcing next blade into use position.

No. 665-1. Hook

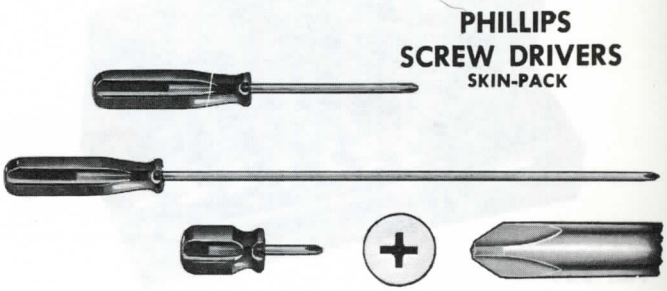
No. 665-2. ¼" Slotted Blade

No. 665-3. No. 2 Phillips Blade

PHILLIPS SCREW DRIVERS—"SUPER ALLOY BLADES"

These screw drivers are the finest quality made. Blades are of special shock resisting chisel steel and are recommended for driving sheet metal screws. Handles are extra large comfortable shock proof plastic.

Number	Point Size	Blade Length	O.A. Length
85	#1	1″	3¼″
86	#2	1½″	3½″
81	#1	3″	6¼″
82	#2	4″	8¾″
83	#3	6″	10¼″
84	#4	8″	12¾″
87	#1	12″	15¼″
88	#2	12″	15¾″



PHILLIPS SCREW DRIVERS
SKIN-PACK

No. 85 thru No. 88
SKIN-PACK

SCREW STARTERS

The time-saving answer to exasperating fumbling with short screws in tight places! Starts or removes all size screws in difficult, inaccessible places with no interfering claws. Grips the screw inside the screw slot with a 15 pound pull . . . releases automatically and resets as screw is tightened. Precision-made with fine tool blade and bit.

NYLON SHOCK-PROOF HANDLE

No. 155. 6″ long. Generator and ignition work.
No. 156. 9″ long. Radio and electrical work.
No. 164. 2½″ long. Under the dash work, etc.

No. 155
SKIN-PACK

No. 156
SKIN-PACK

No. 164
SKIN-PACK

ALUMINUM HANDLE

No. 158. 2½″ long. Speedometer and close quarter work.
No. 159. 5″ long. Generator, ignition and under dash work.
No. 160. 9″ long. Pan Screws, radio, and electrical work.
No. 165. Same as No. 159, only it has a magnet.
No. 166. Same as No. 160, only it has a magnet.

No. 158
SKIN-PACK

No. 159
SKIN-PACK

No. 160
SKIN-PACK

No. 165
SKIN-PACK

No. 166
SKIN-PACK

PHILLIPS SCREW STARTERS

At last a phillips type screw starter that works. Special patented tapered spring action gripping blade fits the shape of both phillips Reed & Prince type screws and holds them firmly.

No. 167. Aluminum 2½″ long.
No. 168. Aluminum 5″ long.

No. 167
SKIN-PACK

No. 168
SKIN-PACK

NEW

No. 584

GASKET OR HOLLOW PUNCH SET

No. 584. Seven popular sizes from 3/8" to 5/8", inclusive. This is a really serviceable set and will stand unlimited use when a Babbet or wooden block is used under material when punching holes in gaskets. Not for cutting metal. Set includes the driving mandrel and the following size punches: 1/4, 5/16, 3/8, 7/16, 1/2, 9/16 and 5/8.

NEW

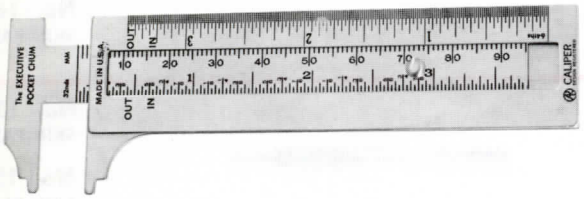
No. 60
SKIN-PACK

6" STAINLESS RULE

No. 60. 6" Stainless steel rule with front graduated 0" - 6" in 16ths and 32nds on one edge and millimeters 0 - 150 mm on the other edge. Back of rule shows decimal equivalents. Equipped with depth gauge pocket clip.

NEW

No. 626
SKIN-PACK



STAINLESS STEEL CALIPER

No. 626. Stainless caliper is a precision accurate, quality tool. Easy reading etched graduations in 32nds and MM. Measures outside dimensions starting at zero and inside dimensions from 3/16". Slip-slide construction will last for years. Tension spring holds settings. Decimal table reverse side.

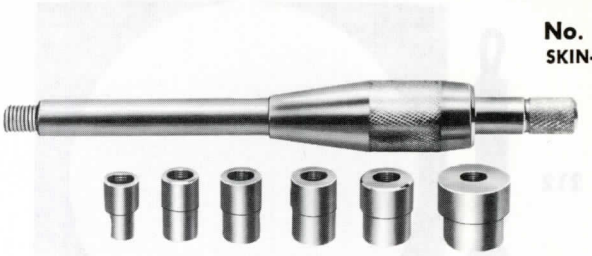
GUARANTEE

Our tools are guaranteed to perform the work for which they are designed, and to last as long as is consistent with ordinary wear. Any tool found defective in workmanship or material, and returned to the Factory with transportation charges prepaid, will be replaced, repaired or credited at current prices, provided it has been used for the purpose for which the tool was designed. Tools that have been ground or altered in any other manner from their original design are not covered by the guarantee.

CLUTCH ALIGNING TOOL

No. 29. With its six two-step pilots, this tool handles all twelve sizes necessary for properly aligning clutch disc and pressure plate with pilot bearing in flywheel. Accurately machined and carefully heat-treated for long service. Set includes following pilot sizes.

.561	.614	.668	.749	.812	.984
.590	.624	.718	.787	.874	1.180



No. 29
SKIN-PACK

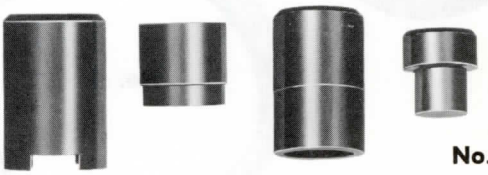
ALTERNATOR DIODE TOOL (REMOVER-INSTALLER)

No. 492. This self contained tool safely eliminates the need for using an arbor press or hammer for replacing one or a set of diodes. Will work on alternators having diodes pressed in — Delcotron, Leece-Neville, Motorola, Presto-Lite, Chrysler.

No. 492

ALTERNATOR NEEDLE BEARING ADAPTER KIT

No. 493. This kit has been developed to work in conjunction with the alternator diode tool, for removing and installing the needle bearing which is contained in the rear housing case of the alternator.



No. 493

UNIVERSAL BUSHING REMOVER & REPLACING SETS

No. 544. For all passenger cars and a large percentage of truck, bus, tractor, farm, road, and construction equipment bushings. Made of a high grade, heat-treated steel, tempered for hard use. Outside diameters perfectly true with each other. Complete with three different size drivers in metal box. Contains the following size bushing adapters:

Small Diameter	Large Diameter	Small Diameter	Large Diameter
3/8	7/16	13/16	15/16
7/16	1/2	7/8	1
1/2	9/16	15/16	1 1/16
9/16	5/8	1	1 1/8
5/8	11/16	1 1/16	1 3/16
5/8	3/4	1 1/8	1 1/4
11/16	13/16	1 3/16	1 5/16
3/4	7/8	1 1/4	1 3/8

No. 544

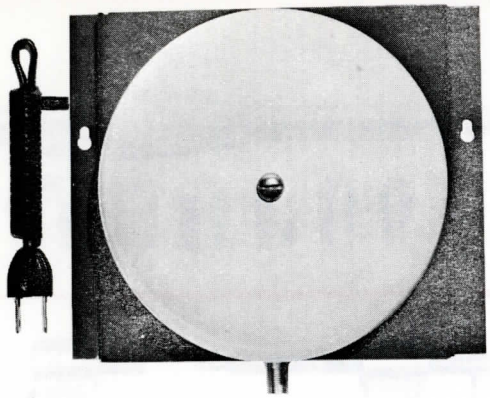
HEAVY DUTY BUSHING REMOVER AND REPLACEMENT SET

No. 543. Heavy duty bushing set for large size trucks and tractors. Complete with driver in metal box. Contains the following bushing adaptors:

Small Diameter	Large Diameter	Small Diameter	Large Diameter
1 5/16	1 7/16	1 9/16	1 11/16
1 11/32	1 1/2	1 19/32	1 3/4
1 7/16	1 9/16	1 3/4	1 7/8

No. 543

No. 212



SIMPLE: No transformer to burn out — every part works on 110V. current. Uses electricity only when ringing.
STRONG: Crystal clear 6″ FIRE HOUSE BELL. Operates by new-type plunger — has no points to burn — no clapper to bend out of adjustment.
SENSITIVE: Control has positive adjustment to fit your stations need. No mercury. Will not continue ringing if car stops on hose. Works with up to 300′ of hose.
Of the finest quality and design these signals are guaranteed for one full year. They have simple control adjustment to fit your requirements. Available with a standard two wire cord or three wire grounding cord.

No. 212. Includes switch & Bell on 6″ x 6½″ panel.

No. 214. Same as above but w/three wire ground cord.

No. 213. Complete except for hose. Includes No. 212, 5 ft. aluminum connector, hose and plug and all fittings.

No. 215. Hose splicer.

No. 219. Control Switch.

No. 220. Striker Assembly.

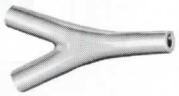
No. 52. Hose-anchor Weight.

No. 49. Hose Wye. "Y".

All parts and hose are guaranteed for one year.

No. 52

No. 49



No. 51

HEAVY DUTY DRIVEWAY SIGNAL HOSE

No. 51. Same stock as highest grade tire treads for abrasion resistance. Resilient — resists fatigue, will spring back. Will resist deterioration due to weathering.

Note: Available in any length up to 300 ft., in increments of 30 ft. ⅛″ wall thickness x ⅜″ I. D.

No. 401
SKIN-PACK

DUAL FOOT AIR CHUCK

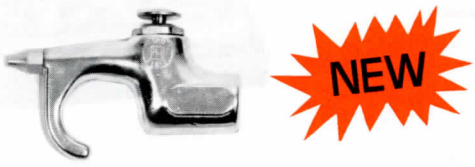
No. 401. Direct air line chuck with shut off valve built in chuck head. Chuck repair kits available.

No. 402
SKIN-PACK

SINGLE FACE AIR CHUCK

No. 402. Direct air line chuck with shut off valve built in chuck head. Chuck repair kits available.

No. 404
SKIN-PACK



SAFETY BLOW GUN

No. 404. Safety blow gun has a built in pressure reducer valve to limit air pressure at the nozzle to less than 30 p.s.i., thus conforming to Title 41, Walsh-Healy Rules and Regulations. For use on initial line pressures of 80 to 150 p.s.i. Reduces nozzle pressures to 23 to 30 p.s.i. This tool conforms to (OSHA) Occupational Safety and Health Standards.

No. 405
SKIN-PACK

BLOW GUN

No. 405. New, improved pressure guns with trigger controlled air from a whisper to full line pressure. Spring loaded control valve with no cut-off . . . no restrictions. Highest quality, cadmium plated for long life. Equipped with 4″ nozzle for carburetor, cylinders, brakes and other similar work. 6⅛″ overall length.

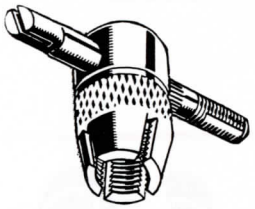
TIRE VALVE AND CAR AIR CONDITIONING TOOL

No. 43. This two-in-one tool is used to remove and install valve cores. Tapered end used to ream out damaged cores. Slotted end used to remove and/or replace valve core.

No. 43
SKIN-PACK

TIRE VALVE REPAIR TOOL

No. 45. A useful and handy valve repair tool. Removes valve cores, repairs and rethreads inside and outside of valve stem. Bright finish.



No. 45
SKIN-PACK

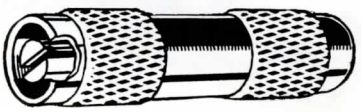
E-Z OUT VALVE TOOL

No. 46. 4-in-1 tool for removing and replacing tire valve cores, rethreading inside and outside of valve stem. E-Z out for backing out valve insides when shoulders are broken off. Made of high grade tempered steel. Nickel plated.

No. 46
SKIN-PACK

TIRE DEFLATOR AND CORE REMOVER

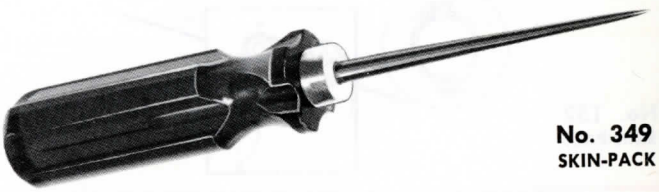
No. 47. A handy tire valve tool with dual uses, both as a tire deflator and core remover. Made of high grade steel. Nickel plated.



No. 47
SKIN-PACK

ALL PURPOSE AWL AND SCRIBING TOOL

No. 349. Special heat treated tapered shank $\frac{3}{16}$" x 3" set in metal ferrel — pressed into virgin plastic handle. Used for scribing, aligning work, punching holes in light metal and for tire repair.



No. 349
SKIN-PACK

DUAL FOOT TIRE PRESSURE GAUGE

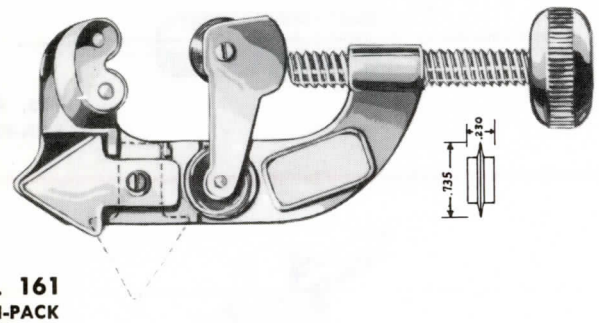
No. 400. A heavy duty air gauge, designed for long, trouble-free service in all climates and weather conditions. Indicator bar is white nylon with contrasting bold gauge markings on two sides. Calibrated from 10 to 160 lbs. — from 10 to 60 lbs. in 1 lb. units for low pressure readings and from 60 to 160 lbs. in 5 lb. units for high pressure readings.

No. 400
SKIN-PACK

PENCIL TIRE GAUGE

No. 40. This quality gauge assures accuracy, long life and trouble-free performance. This passenger car tire gauge is calibrated on all four sides from 10 to 50 lbs. in 1 lb. units.

No. 40
SKIN-PACK



No. 161
SKIN-PACK

TUBE CUTTER

No. 161. Designed for efficiency and economy, this tool will cut any copper, brass, bronze or similar tubing from ⅛″ to 1″ diameter. Heat-treated, tool steel cutter wheel has razor edge to insure a clean cut. Reamer constructed to set flush against tool when not in use, and turns to 90° angle during reaming operation. Individually packaged.

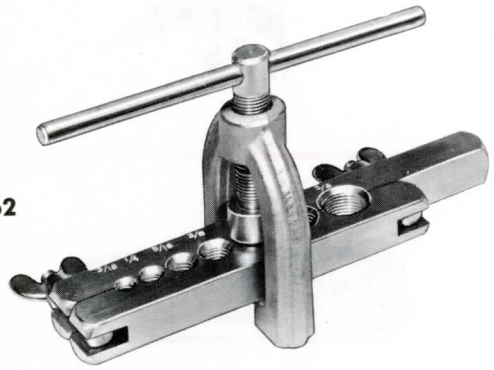
CUTTER WHEEL

No. 161-A. A heat-treated tool steel cutter wheel for No. 161, with razor edge. Packs of 10.

No. 151
SKIN-PACK

MIDGET TUBING CUTTER

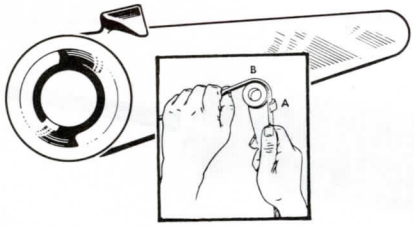
No. 151. Cut copper tubing in close quarters. Cutter will turn on 1⅝″ radius. Cut copper tubing 1″ to ⅝″ O.D.



No. 162

TUBE FLARING TOOL WITH COMPRESSOR ATTACHMENT

No. 162. Here is the new, completely redesigned hinged type flaring tool to handle all popular sizes of tubing. The yoke type compressor is made of a steel, drop forging, and easily slips over the die block. The hardened floating cone will give an even, accurate flare and taper that will insure a tight joint. The sliding "T"-handle is 5½″ long for added leverage: two large wing nuts: sizes are stamped on the respective dies. Seven thread flaring dies: from 3/16″ to ⅝″ inclusive: 3/16″, ¼″, 5/16″, ⅜″, 7/16″, ½″, and ⅝″. Cadmium plated. Individually packaged.



No. 152
SKIN-PACK

TUBE BENDER

No. 152. Will bend tubing up to 5/16″ diameter to 360° fast and easy with no kinks. Use on copper, brass, Bundy weld tubing, brake lines, etc.

No. 163

No. 153

DOUBLE FLARING TOOL

No. 163. Two tools in one this flaring tool set is designed to withstand the high pressures necessary to double flare soft steel tubing as well as single flare soft copper, aluminum and brass tubing. Set includes drop forged compressor yoke, five double flare adaptors and threaded die holding bar with size capacity 3/16″, ¼″, 5/16″, ⅜″, and ½″. Complete in heavy steel fitted case.

METRIC DOUBLE FLARING TOOL

No. 153. A double flaring tool designed for "Metric" size tubing, this tool will withstand pressure that is necessary to double flare tubing up to 1 mm wall thickness. The sizes most used are incorporated in this tool, 4.75 mm, 5 mm, 6 mm, 8 mm and 10 mm. It can also be used as a single flaring tool. Packed in a heavy duty polypropylene box.

SEE PARTS LIST FOR REPLACEMENT PARTS

FLARE NUT WRENCHES

These flare nut wrenches are designed for tube fitting applications such as vacuum, hydraulic, refrigeration and fuel lines used on automotive, truck, road machinery, and industrial equipment. Each end is extra thick to avoid damage to soft, metal fittings.

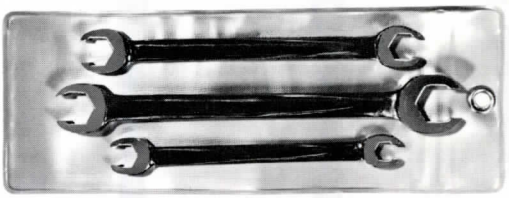
No. 680. Set of three wrenches in plastic pouch — Nos. 681, 682 and 683.

No. 681. 3/8 x 7/16 Flare Nut Wrench

No. 682. 1/2 x 9/16 Flare Nut Wrench

No. 683. 5/8 x 11/16 Flare Nut Wrench

NEW



No. 680
SKIN-PACK

SOCKET HOLDERS

Unique design holds sockets firmly in place on rail yet allows holding clips to be arranged easily to any desired position. Each rail comes with 16 socket holding clips.

No. 110. 1/4" Socket holder

No. 111. 3/8" Socket holder

No. 112. 1/2" Socket holder

No. 113. Set of three (3): 1 — No. 110
1 — No. 111
1 — No. 112

NEW

No. 113
SKIN-PACK

No. 110
SKIN-PACK

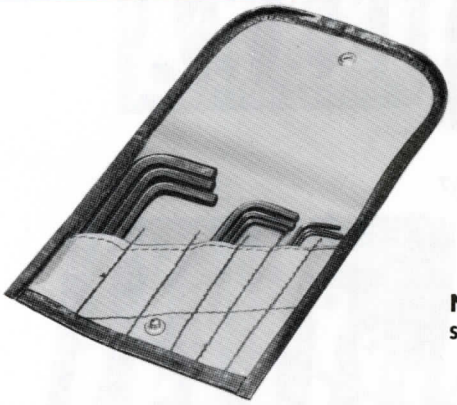
No. 111
SKIN-PACK

No. 112
SKIN-PACK

HOLLOW-HEAD SET SCREW WRENCHES

No. 340. Made of selected alloy steel carefully tempered and hardened to withstand the high torque required. Precision manufactured to assure accurate fit on Allen head screws. Consists of the 9 sizes — .050-1/4", packaged in an attractive vinyl Tool Roll.

REPLACEMENT ALLEN WRENCHES — .050 - 1/4" REFER TO NO. 330-338 IN PRICE LIST.

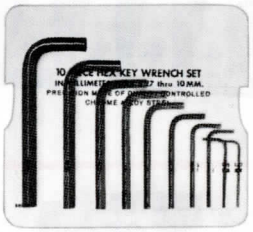


No. 340
SKIN-PACK

METRIC HEX KEY WRENCH SET

No. 640. 10 piece hex key wrench set in metric size 1.27 through 10 mm. Packaged in attractive heavy duty vinyl storage kit.

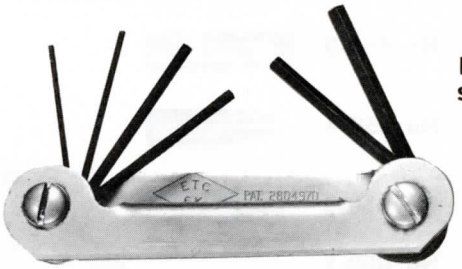
No. 640 kit contains following size hex keys: 1.27 mm, 1.5 mm, 2 mm, 2.5 mm, 3 mm, 4 mm, 5 mm, 6 mm, 8 mm, 10 mm.



No. 640
SKIN-PACK

POCKET WRENCH SET

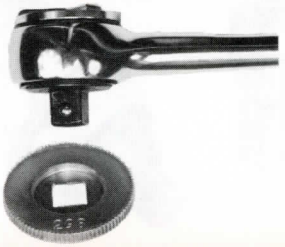
No. 342. Seven popular size wrenches .050" to 3/16" fitted in a steel case, like pocket knife blades. Each wrench size can be used independently in any position best suited for the job. Each handy pocket Wrench Set is fitted into a sturdy deluxe transparent plastic pocket kit.



No. 342
SKIN-PACK

RATCHET SPINNER

No. 298. Spinner fits 3/8" drive socket without increasing length of socket. An extremely handy tool for speed in running nuts on or off.



No. 298
SKIN-PACK

No. 96
SKIN-PACK

No. 93
SKIN-PACK

No. 91
SKIN-PACK

No. 90 through No. 97
SKIN-PACK

No. 99

No. RBM7

RATCHETING BOX WRENCHES

Made to stand up under hard usage, these wrenches are of the highest quality with all critical parts hardened and tempered. Bright chrome finish. Available individually carded and in three popular sets in plastic kits.

Number	Sizes	Head Thickness	O.A. Length
90	1/4 and 5/16	3/8"	4 1/4
91	3/8 and 7/16	3/8"	5 1/2
92	1/2 and 9/16	1/2"	6 3/4
93	5/8 and 11/16	1/2"	8
94	5/8 and 3/4	1/2"	8
95	11/16 and 13/16	1/2"	9 1/4
96	3/4 and 7/8	1/2"	9 1/4
97	13/16 and 15/16	1/2"	9 1/4

RATCHETING BOX WRENCH SETS

No. 98. 3-piece set. Consists of 91, 92, and 93 in plastic kit bag.

No. 99. 5-piece set. Consists of 90, 91, 92, 93, 96 in plastic kit bag.

No. 100. 7-piece set. Includes 90 through 96 in plastic kit bag.

METRIC RATCHETING BOX WRENCHES

No. RMB-7. These wrenches are of the highest quality with all critical parts hardened and tempered. Ratchet teeth are closely spaced to permit short stroke in tight working conditions. Attractively finished with bright, rustproof chrome. Sold individually or in complete sets.

RMB-7 — 7 piece wrench set. Includes M-0708 through M-1920 in plastic kit roll pouch.

No. M-0708. 7 mm and 8 mm
No. M-0910. 9 mm and 10 mm
No. M-1112. 11 mm and 12 mm
No. M-1314. 13 mm and 14 mm
No. M-1517. 15 mm and 17 mm
No. M-1618. 16 mm and 18 mm
No. M-1920. 19 mm and 20 mm

No. 650-2

No. 650-3

No. 650-4

No. 650-5

No. 650-1

No. 650

No. 650-S
SKIN-PACK

IMPACT WRENCH KIT WITH 3/8" SQUARE DRIVE

No. 650-S. Great for handling the really tough jobs. A short twist of the Impact Driver sets the working cam and return spring. The anvil end is then struck a sharp blow with a hammer. Loosens screws and bolts even when rusted or wedged tight. Reversible action also tightens screws and bolts. Instructions stamped on tool. In plastic pouch.

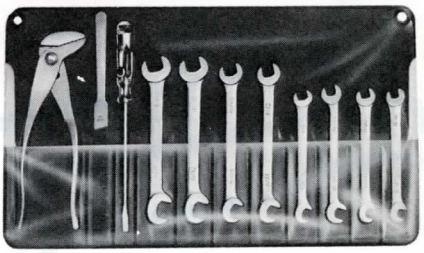
No. 650-S REPLACEMENT PARTS

No. 650. Impact Driver
No. 650-1. 3/8" Adapter
No. 650-2. 3/8" Straight Bit
No. 650-3. 1/2" Straight Bit
No. 650-4. No. 2 Phillips
No. 650-5. No. 4 Phillips

SEE PARTS LIST FOR REPLACEMENT PARTS

IGNITION SET

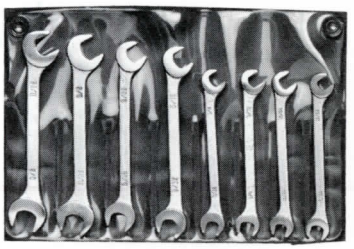
No. 610. All precision tools necessary for fine auto and marine tune-up. Handsome vinyl kit may be rolled or hung. Contains the following 15-60 degree wrenches. Eight (8) forged, chrome finish wrenches, size 13/64 through 3/8 with 15-60 degree openings on alternate ends. Ignition plier, screw driver and file.



No. 610
SKIN-PACK

MINIATURE WRENCH SET

No. 600. All precision tools necessary for fine auto and marine tune-up. Handsome vinyl kit may be rolled or hung. Contains the following 15-60 degree wrenches: Eight (8) forged, chrome finish wrenches, size $^{13}/_{64}$ through $^{3}/_{8}$ with 15-60 degree opening on alternate ends.



No. 600
SKIN-PACK

TORQUE WRENCHES

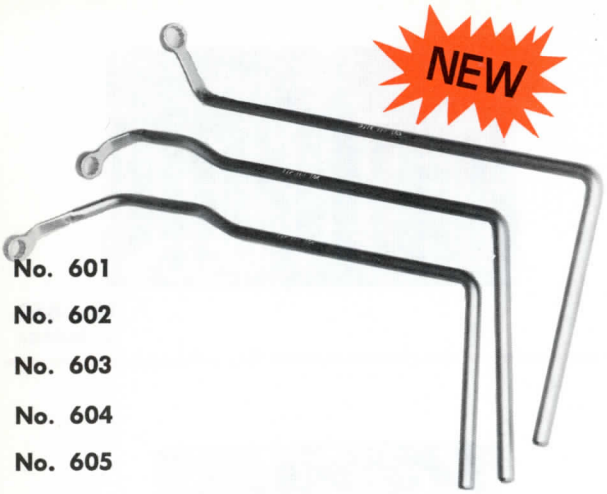
CATALOG NUMBER	TORQUE CAPACITY	GRADUATED IN STEPS OF	DRIVE SQUARE SIZE	LEVER ARM LENGTH	PULL REQUIRED MAXIMUM SCALE	OVERALL LENGTH (INCHES)
DR50-1	0-50 Inch Pounds	2½	⅜	8 17/32†	5.8	9 13/32
DR100-1	0-100 Inch Pounds	5	⅜	9 9/16†	11.0	10⅜
DR200-1	0-200 Inch Pounds	10	⅜	10⅜†	19.9	11¼
R100	0-100 Foot Pounds	5	½	17¼†	72.2	19⅝
R150	0-150 Foot Pounds	5	½	16 15/16†	107.9	19⅜
R200	0-200 Foot Pounds	10	½	19¾†	124.7	21¾

Permits fast, accurate matching and checking of new and old valve and clutch springs, etc. A tone device sounds the instant spring is compressed to the desired pre-set length. Threaded column with vernier scale permits adjustment of test platform to exact test length. Operated by an accurate torque wrench. Capacity 400 pounds. This is a must for performance shops. Decimal chart and operation instruction etched on base. Spring tester input female drive is ½ inch and will accept any standard torque wrench with a ½ inch male drive. (Torque Wrench not included)

Recommended torque wrench is Model DDR150 ½". Permits spring test up to 300 pounds.

- **Checks height within .003**
- **Checks compression within ±2%**
- **Using Sturtevant Torque Wrench**

MODEL SPT



No. 601
No. 602
No. 603
No. 604
No. 605

DISTRIBUTOR WRENCHES

These twelve-point wrenches are forged from alloy steel, heat treated and plated. Five wrenches cover all popular car makes and models.

No. 601. Ford and Mercury, ½" wrench — 3½" offset

No. 602. GM products, 9/16" wrench — 2" offset

No. 603. Chrysler, ½" wrench — 2½" offset

No. 604. Buicks with front mounted distributor and some Pontiacs and Oldsmobiles, 9/16" wrench — 1½" offset

No. 605. Ford Falcon, Econoline vans and other 6 cylinder applications, ½" wrench — 1¾" offset

No. 115 Set
SKIN-PACK

INTERNAL WRENCH BIT SET

No. 115. Solves the problem of removing and installing the new special high torque fasteners. Alloy steel, heat treated. Set includes bit holder and four (4) bits, as follows:

No. 115-1. Bit Holder — 5/16" hex x 3/8" square drive

No. 115-2. For Pinto and Mustang seat back pivots

No. 115-3. GM, Chrysler and Ford door strikes, Pinto seat belt anchors

No. 115-4. Capri door striker screws and other 6 mm Ribe fasteners

No. 115-5. Ford windshield wiper motor and pivot mounts

No. 271
SKIN PACK
No. 275
SKIN-PACK
No. 276
SKIN-PACK

BRAKE BLEEDER WRENCHES

No. 271. Works on all brakes including Chrysler products — 3/8" to bleed brake line, 7/16" to complete brake adjustment.

No. 275. Speeds brake work. ¼" hex opening for compact cars. 3/8" hex socket for conventional cars and trucks. Vent hole in socket end permits line to be bled without removing tool from bleeder screw.

No. 276. For Chevrolet, Ford and Lincoln with ball joint suspension. 5/16" socket fits bleeder screw cap, 3/8" socket with special vent hole fits turning screw.

OUR REVITALIZATION PROGRAM:

Watch your Carrousel . . . if a tool doesn't sell, return it to your supplier and pick an alternate tool on the same size card. Purchase $2.00 for each $1.00 return — no handling charge.

Remember, a revitalized Carrousel sells more tools — makes more money for you.

ALL SKIN PACK TOOLS WITH CARD SIZE:

TOOL NO.	DESCRIPTION	CARD SIZE
43	Tire Valve Tool	A
45	Tire Valve Tool	A
46	Tire Valve Tool	A
47	Tire Deflator-Core Remover	A
85	Phillips Screw Driver No. 1-S	A
115	Internal Wrench Set	A
144	Spark Plug Thread Chaser	A
151	Midget Tubing Cutter	A
158	Screw Starter, Alum. 2½"	A
164	Screw Starter, Nylon 2½"	A
167	Phillips Screw Starter, Alum. 2½"	A
221	Spark Plug and Ignition Gauge	A
222	Feeler Gauge Set Go-No-Go	A
223	Spark Plug Gauge	A
228	Ignition Feeler Gauge Set	A
229	Ignition Feeler Gauge Set	A
230	General Purpose Feeler Gauge	A
231	Metric Feeler Gauge	A
251	Distributor Point Tool	A
288	Ignition Feeler Gauge Set	A
298	Ratchet Spinner	A
342	Pocket Hex Key Pak .050-3/16	A
363	Repl. Stones Brake Hone	A
402	Foot Air Chuck	A
468	Air Holds, 14MM, 18MM	A
514	Thread Gauge	A
596	Puller Adapter	A
597	Puller Adapter	A
598	Spike Screw	A
599	Magic Tip Screw	A
23	Mirror, 1" oval	B
40	Pencil Tire Gauge	B
60	Pocket Rule	B
65	Spark Plug Tester	B
66	Spark Plug Tester	B
86	Phillips Screw Driver No. 2S	B
90	Ratchet Wrench 1/4 - 5/16	B
91	Ratchet Wrench 3/8 - 7/16	B
139	Headlight Adjusting Spring Hook	B
152	Tubing Bender	B
155	Screw Starter, Nylon 6"	B
159	Screw Starter, Alum. 5"	B
165	Screw Starter, Alum. 5" w/mag.	B
168	Phillips Screw Starter 5"	B
169	Distributor Brush	B
176	Crimped Wire Cleaning Brush	B
177	Spiral Wire Cleaning Brush	B
183	Nut Splitter Tool	B
184	Tie Rod Tool	B
227	Tappet & Ign. Feeler Gauge Set	B
233	Tappet Feeler Gauge Set	B
238	Test Lead Kit 30"	B
269	Brake Spring Compressor	B
285	Pocket Magnet 6"	B
438	Screw Extractor Set 3/32 - 3/8	B
453	Distributor Tool 2 in 1	B
491	Hook Adapter for 495	B
494	Swivel Adapter for 495	B
551	Battery Post Cleaner — Plastic	B
553	Battery Post Cleaner — Metal	B
12	Shock Absorber Tool	C
16	Oil Punch	C
17	Gasket & Head Aligner	C
26	Valve Guide Reamer	C
27	Inspection Mirror	C
29	Clutch Aligning Tool	C
35	Door Handle Tool	C
36	Door Handle Tool — Chrysler	C
37	Door Handle Remover	C
39	Bezel Nut Plier	C
50	Windshield Wiper Tool	C
53	Upholstery Remover	C
67	Electric Circuit Tester	C
68 N	Continuity Tester	C
81	Phillips Screw Driver No. 1	C
82	Phillips Screw Driver No. 2	C
92	Ratchet Wrench 1/2 - 9/16	C
93	Ratchet Wrench 5/8 - 11/16	C
94	Ratchet Wrench 5/8 - 3/4	C
95	Ratchet Wrench 11/16 - 13/16	C
96	Ratchet Wrench 3/4 - 7/8	C
97	Ratchet Wrench 13/16 - 15/16	C
142	Tail Light Bulb Remover and Brush	C
143	Spark Plug Pliers	C
148	Internal Snap Ring Plier	C
149	External Snap Ring Plier	C
156	Screw Starter 9" Nylon	C
160	Screw Starter 9" Aluminum	C
166	Screw Starter 9" w/magnet	C
225	Magnetic Pickup 9"	C
253	Taper Reamer 7/16 - 1"	C
254	Wheel Weight Plier	C
256	Muffler Cutter	C
264	Nylon Hand Brush	C
268	Lock Ring Plier	C
269	Brake Spring Compressor	C
272	Chevrolet Brake Spoon	C
273	Universal Brake Spoon	C
277	Brake Spring Retainer	C
278	Bendix Brake Adjuster	C
279	Bendix Brake Spoon	C
280	Universal Brake Spoon	C
284	Angled Feeler Gauge Set	C
291	Lock Ring Plier	C
295	Brake Spring Tool	C
296	Metal Peeler	C
349	All Purpose Awl 6" O.A.L.	C
350	Carbon Scraper	C
351	Scratch Awl 5/16 - 8½"	C
352	Cotter Pin Puller	C
353	Putty Knife — Semi-flex	C
354	Putty Knife — Chisel Scraper	C
358	Disc Brake Caliper Hone	C
362	Brake Cylinder Hone	C
408	Midget Hacksaw	C
422	Thread File No. 11 to 24	C
423	Thread File No. 9 to 32	C
426	Tap Rethread Set U.S.S.	C
427	Tap Rethread Set S.A.E.	C
452	Hose Clamp Plier	C
454	Flexible Distributor Tool	C
456	Distributor Adjuster	C
547	Battery Plier	C
549	Battery Terminal Clamp Spreader	C
627	Machinist Scribe	C
650-S	Impact Wrench Kit	C
660	The 4-in-1 Screwdrivers	C
661	The 4-in-1 Screwdrivers	C
662	The 4-in-1 Screwdrivers	C
663	The 4-in-1 Screwdrivers	C
664	The 4-in-1 Screwdrivers	C
665	Headlight Tool	C
668	Magnet Screwdriver 7"	C
669	Magnet Screwdriver 10"	C
680	Flare Wrench Set	C
145	Combination Tester	D
161	Tube Cutter	D
252	Taper Reamer 1/8 - 1/2"	D
271	Brake Bleeder Wrench 7/16 x 3/8	D
274	One Man Brake Bleeder	D
275	Bleeder Wrench 1/4 - 3/8	D
276	Brake Bleeder Wrench 5/16 x 3/8	D
413	Metric Rethreading Die Set	D
420	Rethread Kit U.S.S. 1/4 - 5/8	D
421	Rethread Kit S.A.E. 1/4 - 5/8	D
428	Rethreading Die Kit U.S.S.	D
429	Rethreading Die Kit S.A.E.	D
548	Battery Term. & Brg. Puller	D
3	Tune up Set	E
13	Oil Filter Wrench	E
69	Short Circuit Detector	E
195	Caster Camber Adjuster	E
240	Gear Puller, 2 Jaw 4"	E
249	Tailpipe Remover	E
300	Drill Grinding Attachment	E
304	Drill Set 1/16 - 1/4 by 64ths	E
340	Allen Wrench Set .050 - 1/4"	E
424	Tap and Die Chaser Set	E
441	Tapered Screw Extractor Set	E
459	Carburetor Float Gauge	E
552 B	Battery Booster Clamp — Black	E
552 R	Battery Booster Clamp — Red	E
600	Miniature Wrench Set 13/64 - 3/8	E
640	Metric Hex Key Set	E
32	Hydraulic Valve Lifter	F
59	Brake Spring Plier	F
83	Phillips Screw Driver No. 3	F
84	Phillips Screw Driver No. 4	F
87	Phillips Screw Driver No. 1L	F
88	Phillips Screw Driver No. 2L	F
110	1/4" Socket Holder	F
111	3/8" Socket Holder	F
112	1/2" Socket Holder	F
113	Socket Holder Set	F
226	Magnetic Pickup 16" to 26"	F
286	Flexible Magnetic Pickup	F
293	Grease Cap Puller	F
400	Tire Gauge	F
466	Carburetor Adjuster	F
519	Fan Blade Wrench	F
624	Inspection Mirror	F
625	Inspection Mirror	F
714	Mechanical Finger 14"	F
715	Mechanical Finger 15"	F
7	Rear Main Seal Tool	G
14	Oil Filter Wrench	G
15	Oil Filter Wrench	G
58	Flexible Compression Tester	G
140	Stethoscope	G
562	Piston Groove Cleaner	G
610	Ignition Wrench Set	G
54	Spark Catcher	J
71	Alt.-Gen. Current Indicator	J
72	Starter Current Indicator	J
150	Wire Stripper	J
404	Safety Air Blow Gun	J
439	Wedge Pruf Screw Ext. Set	J
440	Wedge Pruf Screw Ext. Set	J
626	Caliper — Inside-Outside	J
24	Inspection Mirror 1" x 2"	K
25	Inspection Mirror 2" Round	K
194	Compact Car Pitman Arm Puller	K
258	Taper Reamer	K
348	Oil Filter Gasket Scraper	K
356	Utility Knife	K
361 N	Replacement Stones	K
401	Dual Foot Air Chuck	K
405	Blow Gun	K
555	Battery Mate	K
573	Valve Spring Compressor	K
6	Rear Main Seal Tool	L
18	Rocker Arm Oil Deflector	L
55	Engine Compression Tester	L
57	Neon Timing Light	L
61-S	Remote Starter Switch	L
74	Electric Marking Pencil	L
76	Fuel Pump Vacuum & Pressure Tester	L
270	Brake Cylinder Clamp	L
355	Putty Knife — Full Flex	L
545	Hard Top Battery Tester	L
623	Inspection Mirror	L
1963	Wire Stripper and Crimper	L

77 TOOLS ON THE FD 1001 CARROUSEL

TOOL NO.	DESCRIPTION	CARD SIZE
7	Rear Main Seal Tool	G
15	Oil Filter Wrench	G
29	Clutch Aligning Tool	C
35	Door Handle Tool	C
37	Door Handle Remover	C
43	Tire Valve Tool	A
45	Tire Valve Tool	A
46	Tire Valve Tool	A
65	Spark Plug Tester	B
66	Spark Plug Tester	B
67	Electric Circuit Tester	C
68 N	Continuity Tester	C
69	Short Circuit Detector	E
143	Spark Plug Plier	C
144	Spark Plug Thread Chaser	A
148	Internal Snap Ring Plier	C
149	External Snap Ring Plier	C
151	Midget Tube Cutter	A
155	Screw Starter, Nylon 6"	B
158	Screw Starter, Alum. 2½"	A
159	Screw Starter, Alum. 5"	B
161	Tube Cutter	D
164	Screw Starter, Nylon 2½"	A
165	Screw Starter, Alum. 5" w/magnet	B
176	Crimped Wire Cleaning Brush	B
177	Spiral Wire Cleaning Brush	B
221	Spark Plug & Ignition Gauge	A
223	Spark Plug Gauge	A
225	Magnetic Pickup 9"	C
226	Magnetic Pickup 16" to 26"	F
227	Tappet & Ignition Feeler Gauge Set	B
228	Ignition Feeler Gauge Set	A
229	Ignition Feeler Gauge Set	A
230	General Purpose Feeler Gauge	A
232	Spark Plug Feeler Gauge	A
233	Tappet Feeler Gauge Set	B
238	Test Lead Kit 36"	B
240	Gear Puller, 2 Jaw 4"	E
252	Taper Reamer ⅛ - ½"	D
269	Brake Spring Compressor	B
272	Chevrolet Brake Spoon	C
273	Universal Brake Spoon	C
274	One Man Brake Bleeder	D
276	Brake Bleeder Wrench 5/16 x ⅜	D
277	Brake Spring Retainer	C
278	Bendix Brake Adjuster	C
279	Bendix Brake Spoon	C
280	Universal Brake Spoon	C
284	Angled Feeler Gauge Set	C
285	Pocket Magnet 6"	B
286	Flexible Magnetic Pickup	F
288	Ignition Feeler Gauge Set	A
295	Brake Spring Tool	C
304	Drill Set 1/16 - ¼ by 64ths	E
342	Pocket Hex Key Pak .050 - 3/16	A
350	Carbon Scraper	C
351	Scratch Awl 5/16 x 8½"	C
353	Putty Knife — Semi-Flex	C
354	Putty Knife — Chisel Scraper	C
362	Brake Cylinder Hone	C
363	Brake Cylinder Hone Replacement Stones	A
413	Metric Rethreading Die Kit	D
420	Rethread Die Kit U.S.S. ¼ - ⅝	D
421	Rethread Die Kit S.A.E. ¼ - ⅝	D
438	Screw Extractor Set 3/32 - ⅜	B
441	Tapered Screw Extractor Set	E
452	Hose Clamp Plier	C
453	Distributor Tool 2 in 1	B
454	Flexible Distributor Tool	C
459	Carburetor Float Gauge	E
548	Battery Terminal & Bearing Puller	D
551	Battery Post Cleaner — Plastic	B
553	Battery Post Cleaner — Metal	B
600	Miniature Wrench Set	E
640	Metric Hex Key Wrench Set	E
650-S	Impact Wrench Set	C
680	Flare Nut Wrench Set	C

TOOL LIST FOR THE FD 3000 CARROUSEL

TOOL NO.	DESCRIPTION	CARD SIZE
3	Tune Up Set	E
7	Rear Main Seal Tool	G
13	Oil Filter Wrench	E
14	Oil Filter Wrench	G
15	Oil Filter Wrench	G
23	Mirror, 1" oval	B
29	Clutch Aligning Tool	C
35	Door Handle Tool	C
37	Door Handle Remover	C
40	Pencil Tire Gauge	B
43	Tire Valve Tool	A
45	Tire Valve Tool	A
46	Tire Valve Tool	A
47	Tire Deflator-Core Remover	A
58	Flexible Compression Tester	G
60	Pocket Rule	B
65	Spark Plug Tester	B
66	Spark Plug Tester	B
67	Electric Circuit Tester	C
68N	Continuity Tester	C
69	Short Circuit Detector	E
115	Internal Wrench Set	A
139	Headlight Adjusting Spring Hook	B
143	Spark Plug Pliers	C
144	Spark Plug Thread Chaser	A
145	Combination Tester	D
148	Internal Snap Ring Plier	C
149	External Snap Ring Plier	C
151	Midget Tubing Cutter	A
152	Tubing Bender	B
155	Screw Starter, Nylon 6"	B
158	Screw Starter, Alum. 2½"	A
159	Screw Starter, Alum. 5"	B
161	Tube Cutter	D
164	Screw Starter, Nylon 2½"	A
165	Screw Starter, Alum. 5" w/mag.	B
167	Phillips Screw Starter, Alum. 2½"	A
169	Distributor Brush	B
176	Crimped Wire Cleaning Brush	B
177	Spiral Wire Cleaning Brush	B
183	Nut Splitter Tool	B
221	Spark Plug and Ignition Gauge	A
222	Feeler Gauge Set Go-No-Go	A
223	Spark Plug Gauge	A
225	Magnetic Pickup 9"	C
226	Magnetic Pickup 16" to 26"	F
227	Tappet & Ignition Feeler Gauge Set	B
228	Ignition Feeler Gauge Set	A
229	Ignition Feeler Gauge Set	A
230	General Purpose Feeler Gauge	A
231	Metric Feeler Gauge	A
232	Spark Plug Feeler Gauge	A
233	Tappet Feeler Gauge Set	B
238	Test Lead Kit 36"	B
240	Gear Puller, 2 Jaw 4"	E
251	Distributor Point Tool	A
252	Taper Reamer ⅛ - ½"	D
256	Muffler Cutter	C
264	Nylon Hand Brush	C
268	Lock Ring Plier	C
269	Brake Spring Compressor	B
271	Brake Bleeder Wrench 7/16 x ⅜	D
272	Chevrolet Brake Spoon	C
273	Universal Brake Spoon	C
274	One Man Brake Bleeder	D
275	Bleeder Wrench ¼ - ⅜	D
276	Brake Bleeder Wrench 5/16 x ⅜	D
277	Brake Spring Retainer	C
278	Bendix Brake Adjuster	C
279	Bendix Brake Spoon	C
280	Universal Brake Spoon	C
284	Angled Feeler Gauge Set	C
285	Pocket Magnet 6"	B
286	Flexible Magnetic Pickup	F
288	Ignition Feeler Gauge Set	A
295	Brake Spring Tool	C
298	Ratchet Spinner	A
300	Drill Grinding Attachment	E
304	Drill Set 1/16 - ¼ by 64ths	E
340	Allen Wrench Set .050 - ¼"	E
342	Pocket Hex Key Pak .050 - 3/16	A
350	Carbon Scraper	C
351	Scratch Awl 5/16 x 8½"	C
353	Putty Knife — Semi-flex	C
354	Putty Knife — Chisel Scraper	C
362	Brake Cylinder Hone	C
363	Replacement Stones	A
402	Foot Air Chuck	A
413	Metric Rethreading Die Set	D
420	Rethread Die Kit U.S.S. ¼ - ⅝	D
421	Rethread Die Kit S.A.E. ¼ - ⅝	D
422	Thread File No. 11 to 24	C
423	Thread File No. 9 to 32	C
438	Screw Extractor Set 3/32 - ⅜	B
441	Tapered Screw Extractor Set	E
452	Hose Clamp Plier	C
453	Distributor Tool 2 in 1	B
454	Flexible Distributor Tool	C
459	Carburetor Float Gauge	E
468	Air Holds, 14MM, 18MM	A
514	Thread Gauge	A
519	Fan Blade Wrench	F
547	Battery Plier	C
548	Battery Terminal & Bearing Puller	D
549	Battery Terminal Clamp Spreader	C
551	Battery Post Cleaner — Plastic	B
553	Battery Post Cleaner — Metal	B
562	Piston Groove Cleaner	G
600	Miniature Wrench Set 13/64 - ⅜	E
610	Ignition Wrench Set	G
640	Metric Hex Key Set	E
650-S	Impact Wrench Kit	C
680	Flare Wrench Set	C

TOOL LIST FOR THE FD 3000K KIT

TOOL NO.	DESCRIPTION	CARD SIZE
54	Spark Catcher	J
71	Alternator Current Indicator	J
72	Starter Current Indicator	J
150	Wire Stripper	J
404	Safety Air Blow Gun	J
439	Wedge Pruf Extractor Set ⅛ - ¼	J
440	Wedge Pruf Extractor Set ¼ - 13/32	J
626	Caliper — Inside-Outside	J
24	Inspection Mirror 1" x 2" Oval	K
25	Inspection Mirror 2" Round	K
348	Oil Filter Gasket Scraper	K
356	Utility Knife	K
361 N	Brake Cylinder Hone Replacement Stones	K
401	Dual Foot Air Chuck	K
405	Blow Gun	K
555	Battery Mate	K
18	Rocker Arm Oil Deflectors Set	L
55	Engine Compression Tester	L
57	Neon Timing Light	L
61 S	Remote Starter Switch	L
76	Fuel Pump Vacuum & Pressure Tester	L
355	Putty Knife — Full Flex	L
545	Hard Top Battery Tester	L
1963	Wire Stripper & Crimper	L

CAL-VAN CARROUSELS

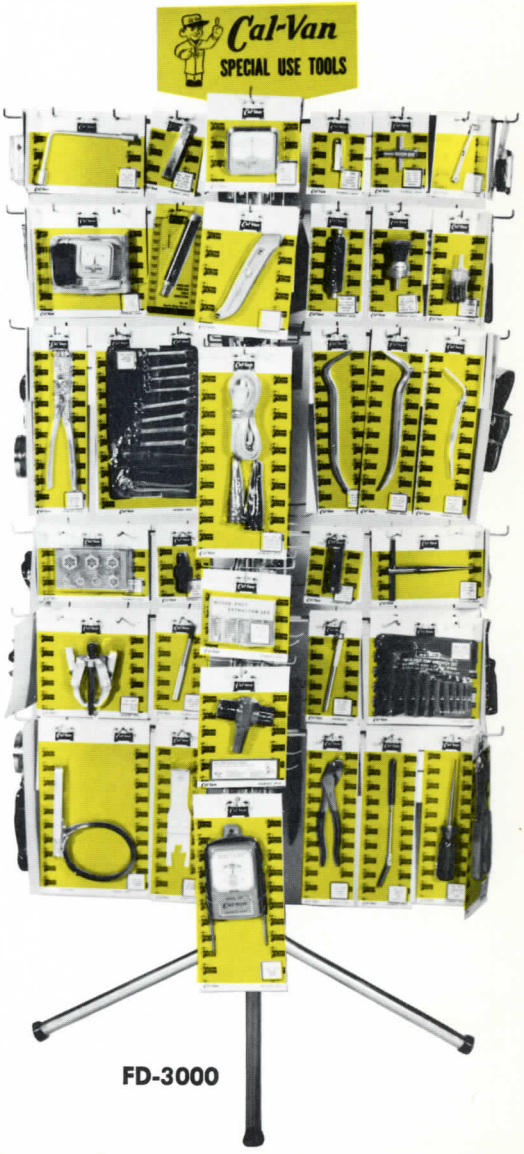
FD-1001

FD 1001

NEW

- 77 Best Sellers — 1 Each
- 2 Square Feet Floor Space
- Back Up Cards for Easy Reorder
- Skin Packed for Impulse Sales
- Complete Revitalization Program to Keep Your Carrousel Up To Date
- Complete With Hooks for the FD-3000-K
- FREE — 3 Popular Electrical Testers

BIG ALL NEW



FD-3000

FD 3000

- 113 Most Popular Special Use Tools
- Less Than 3 Square Feet Floor Space
- Back Up Cards for Easy Reorder
- Complete Revitalization Program to Keep Your Carrousel Up To Date
- New Heavy Duty Display Rack
- Complete With Hooks for the FD-3000-K
- FREE — 4 Popular Electrical Testers

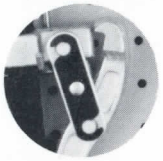
NEW

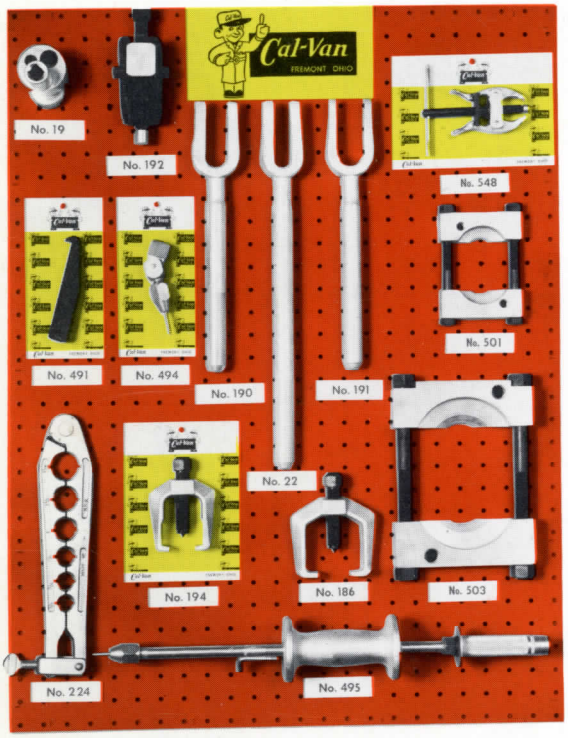
FD3000K — KIT

- For FD-1001 and FD-3000
- 24 Tools — 1 each
- Back Up Reorder Cards
- Display More — Sell More

PULLER DISPLAY BOARDS

Quick Change Feature on all Jaw Pullers





DB NO. 104

No. 19	Stud Remover
No. 22	Tie Rod Puller
No. 186	Pitman Arm Puller
No. 190	Ball Joint Separator
No. 191	Pitman Arm Wedge
No. 192	Pulley Puller
No. 194	Pitman Arm Puller—Compacts
No. 224	Axle Rethreading Die
No. 491	Hook Attachment for No. 495
No. 494	Swivel Adapter for No. 495
No. 495	Body Dent & Seal Puller
No. 501	Bearing Splitter 2¼"
No. 503	Bearing Splitter 4½"
No. 548	Battery Terminal & Bearing Puller

DB NO. 102

No. 10	Timing Gear Puller
No. 187	Steering Wheel Puller
No. 189	Harmonic Balancer Puller
No. 240	4"—Two Jaw Puller
No. 241	6"—Two Jaw Puller
No. 242	8"—Two Jaw Puller
No. 243	10"—Two Jaw Puller
No. 498	Flange Type Axel Puller

DB NO. 105

No. 130	7"—Two Jaw Puller
No. 131	12"—Two Jaw Puller
No. 132	14"—Two Jaw Puller
No. 133	7"—Three Jaw Puller
No. 244	6"—Three Jaw Puller
No. 245	8"—Three Jaw Puller
No. 246	10"—Three Jaw Puller

You buy the tools—we furnish the board.

Printed in U.S.A.

CAL-VAN

CANADIAN
SUGGESTED TRADE PRICE LIST
No. 2814

APRIL 1972

Refer to Catalog No. 72

"SPECIAL USE TOOLS"

Supercedes
P.L. No. 2603 & 2726

BUY THESE
"SPECIAL USE"
C A L - V A N
T O O L S
FROM YOUR JOBBER
ON THE
C A R R O U S E L
D I S P L A Y S

GUARANTEE

Cal-Van Tools are guaranteed to perform the work for which they are designed and to last as long as is consistent with normal wear. Any tool found defective in workmanship or material must be returned to our central warehouse Toronto or direct to the Cal-Van factory transportation charges prepaid. We reserve the right to repair, replace or issue credit.

NOTE: Unless otherwise specified, prices listed are for one of each tool.

No.	Sugg. Trade	Description	Page
3*	10.80	Tune-up Kit	26
6*	9.85	Rear Main Seal Inst. Kit	13
7*	12.35	Rear Main Seal Inst. Kit	13
10	10.45	Timing Gear Puller	39
11*	4.80	Oil Filter Wrench-Compacts	13
12*	2.50	Shock Absorber Tool	24
13*	4.80	Oil Filter Wrench	13
14*	4.95	Oil Filter Wrench	13
15*	2.55	Oil Filter Wrench	13
16*	9.85	Oil Line Punch	13
17*	2.65	Head & Gasket Aligner	18
18*	4.95	Rocker Arm Oil Deflector	20
19	12.00	Stud Remover	39
22	9.20	Tie Rod Puller	39
23*	2.55	Mirror 1" round, 6" handle	34
24*	2.80	Mirror 1" x 2" oval, 6" handle	34
25*	4.35	Mirror 2" rd., ext. handle	34
26*	3.60	Valve Guide Reamer	18
27*	4.70	Mirror 2" x 3½" rec. ext.	34
28	18.90	Pilot Bearing Puller	39
29*	10.75	Clutch Aligning Tool Set	55
31	17.95	Bearing Puller	39
32*	11.25	Hydraulic Valve Lifter Tool	14
34	6.70	Battery Terminal Puller	1 - 39
35*	3.50	Door Handle Tool	4
36*	3.00	Door Handle Tool	4
37*	3.05	Door Handle Clip Remover	4
39*	4.15	Plier-Bezel Nut & Antenna Nut	4
40*	3.20	Tire Gauge	57
43*	1.45	Tire Valve & Car Air-Cond. Tool	57
45*	.70	Tire Valve Tool	57
46*	.85	E-Z-Out Tire Valve Tool	49 & 57
47*	.70	Tire Deflator-Core Remover	57
49	2.00	Hose "Y"	56
50*	2.15	Windshield Wiper Arm Tool	4
51	.35	Driveway Signal Hose (per ft.)	56
52	2.55	Hose Anchor	56
53*	3.80	Upholstery Clip Remover	4
54*	1.55	Spark Catcher	30
55*	8.65	Compression Tester	12
56	32.50	Comp. Test Kit w/adapters	12
57*	7.70	Neon Timing Light	12 - 30
58*	25.85	Comp. Tester Flex. Hose	12
59*	7.35	Brake Spring Plier	5 - 37
60*	1.20	6" Rule	54
61-S*	5.60	Remote Starter Switch	29
65*	3.00	Spark Plug Tester	29
65-A	.80	Bulb for No. 65 Tester	29
65-C	17.80	6 Pac No. 65 Tester (6 per card)	29
66*	3.85	Spark Plug Firing Indicator	29
66-A	.80	Bulb for No. 66 Tester	29
66-C	23.40	6 Pac No. 66 Tester (6 per card)	29
67*	4.15	Circuit Tester, Power On	29
67-A	.80	Bulb for No. 67 Tester	29
68-N*	4.15	Continuity Tester, Power Off	28
68-A	.80	Bulb for No. 68N	28
69*	12.65	Short Circuit Detector	28
71*	6.85	Alt.-Generator Current Ind.	28
72*	6.85	Starter Current Indicator	28
74*	12.10	Electric Marking Pencil	36
76*	9.35	Fuel Pump Vac. & Pres. Tester	12
81*	2.05	Phillips Screwdriver No. 1	53
82*	2.20	Phillips Screwdriver No. 2	53
83*	3.50	Phillips Screwdriver No. 3	53
84*	3.85	Phillips Screwdriver No. 4	53
85*	1.85	Phillips Screwdriver No. 1S	53
86*	2.05	Phillips Screwdriver No. 2S	53
87*	3.50	Phillips Screwdriver No. 1L	53
88*	3.85	Phillips Screwdriver No. 2L	53
90*	4.10	Rat. Wrench 1/4 - 5/16	60

*Indicates Skin Pack

No.	Sugg. Trade	Description	Page
91*	4.50	Rat. Wrench 3/8 - 7/16	60
92*	6.00	Rat. Wrench 1/2 - 9/16	60
93*	6.45	Rat. Wrench 5/8 - 11/16	60
94*	6.45	Rat. Wrench 5/8 - 3/4	60
95*	7.45	Rat. Wrench 11/16 - 13/16	60
96*	7.45	Rat. Wrench 3/4 - 7/8	60
97*	8.35	Rat. Wrench 13/16 - 15/16	60
98	15.50	Rat. Wrench Set (3 pieces)	60
99	28.25	Rat. Wrench Set (5 pieces)	60
100	39.45	Rat. Wrench Set (7 pieces)	60
110*	2.65	1/4" Socket Holders	59
111*	2.65	3/8" Socket Holders	59
112*	2.65	1/2" Socket Holders	59
113*	7.45	Socket hld. set-1/4", 3/8", 1/2"	59
115*	12.65	Internal Wrench Set	62
124	8.85	16 oz. Soft Faced Hammer	26
125	14.10	32 oz. Soft Faced Hammer	26
126	12.35	Brass Hammer	26
127	7.20	Wheel Cover Rem. & Installer	26
130	20.45	Puller, 2 Jaw-7 in. Adj.	42
131	51.50	Puller, 2 Jaw-12 in. Adj.	42
132	56.60	Puller, 2 Jaw-14 in. Adj.	42
133	27.95	Puller, 3 Jaw-7 in. Adj.	43
139*	2.30	Headlight Adj. Spring Hook	52
140*	11.25	Stethoscope	19
141	1.05	Stethoscope Extension	19
142*	3.35	Taillight Rem. & Cleaner	9
143*	4.95	Spark Plug Plier	27
144*	3.60	Spark Plug Thread Chaser	27 - 49
145*	6.35	Spark Plug & Circuit Tester	29
145-A	.80	Neon Bulb for No. 145	29
145-B	.80	6 & 12 Volt Bulb for No. 145	29
148*	7.00	Internal Snap Ring Plier	38
149*	7.00	External Snap Ring Plier	38
150*	2.70	Wire Stripper	30
151*	3.35	Midget Tube Cutter	58
152*	2.30	Tube Bender	58
153	20.75	Metric Double Flaring Tool	58
155*	3.60	Screw Starter 6"	53
156*	3.85	Screw Starter 9"	53
158*	2.95	Screw Starter 2½"	53
159*	3.20	Screw Starter 5"	53
160*	3.80	Screw Starter 9"	53
161*	7.15	Tubing Cutter	58
161-A	1.35	Cutter Wheel for No. 161	58
162	9.70	Flaring Tool - 3/16" - 5/8"	58
163	19.10	Dbl. Flaring Tool - 3/16" - 1/2"	58
164*	3.15	Screw Starter 2½"	53
165*	3.85	Screw Starter 5" w/magnet	53
166*	4.60	Screw Starter 9" w/magnet	53
167*	2.80	Phillips Screw Starter 2½"	53
168*	3.00	Phillips Screw Starter 5"	53
169*	2.15	Distributor Cleaning Brush	9
170	12.60	Wire Wheel Brush 4" H.D.	8
171	14.00	Wire Wheel Brush 6" H.D.	8
172	20.50	Wire Wheel Brush 8" H.D.	8
174	10.35	Wire Wheel Brush 6" Stand.	8
175	15.60	Wire Wheel Brush 8" Stand.	8
176*	4.20	Rotary Cleaning Brush, Crimp	9
177*	5.70	Rotary Cleaning Brush, Spiral	9
178	1.30	Hand Scratch Brush	8
179	1.50	Hand Scratch Brush	8
180	1.80	Hand Scratch Brush	8
181	1.50	Hand Scratch Brush	8
183*	10.30	Nut Splitter	35
186	9.70	Pitman Arm Puller	23 - 40
187	11.10	Steering Wheel Puller	40
189	12.30	Harmonic Balancer Puller	40
190	8.80	Ball Joint Separator	41
191	9.20	Pitman Arm Wedge	41
192	21.15	Pulley Puller	14 - 40
193	13.00	Pulley Installer	14 - 40
194*	9.70	Pitman Arm Puller-Compacts	23
195*	15.80	Caster Camber Adjuster	23
200	7.20	Creeper Casters (4 per set)	11
205	15.25	Creeper (Pkg. 6 per box only)	11
208	7.45	Swirl Creeper Rollers (4 per set)	11
209	21.95	Creeper Seat	11
210	18.30	Creeper	11
211	27.50	Adjustable Creeper	11
212	23.40	Signal Bell-2 Conductor	56
213	28.15	Signal Bell Set-2 Conductor	56
214	24.80	Signal Bell Set-3 Conductor	56
215	1.35	Signal Bell Hose Splicer	56
219	11.30	Signal Bell Control Switch	56
220	5.30	Signal Bell Stricker Assembly	56
221*	3.60	Ignition Feeler Gauge	21
222*	5.45	Go-No-Go Feeler Gauge	21
223*	1.15	Spark Plug Gauge	21 - 27
224	27.20	Axle Rethreading Die	43 - 50
225*	2.65	Magnet Pick-up, 9"	33
226*	4.85	Magnet Pick-up, Adj. 16" - 26"	33
227*	2.95	Tappet and Ign. Feeler Gauge	21
228*	1.95	Ign. Feeler Gauge - 10 Blades	21
229*	1.80	Ign. Feeler Gauge - 10 blades	21
230*	3.60	Feeler Gauge, Gen. Purpose	22
231*	4.00	Metric Feeler Gauge - 13 blades	22
232*	1.95	Spark Plug Gauge	22
233*	2.70	Tappet Feeler Gauge	22
235	44.15	Hub Puller	41
Note:		236 & 237 Please Indicate Blade Thickness On Order	
236	5.10	12" Feeler Blades (Pkg. 10)	22
237	3.00	3 1/2" Feeler Blades (Pkg. 10)	22
238*	2.20	Test Lead Kit	27
240*	13.25	Puller, 2 Jaw, 4" Adj.	42
241	20.75	Puller, 2 Jaw, 6" Rev.	42
242	35.65	Puller, 2 Jaw, 8" Rev.	42
243	36.75	Puller, 2 Jaw, 10" Adj.	42
244	27.60	Puller, 3 Jaw, 6" Rev.	43
245	49.85	Puller, 3 Jaw, 8" Rev.	43
246	49.85	Puller, 3 Jaw, 10" Adj.	43
248	42.80	Slide Hammer Puller	44
249*	8.15	Tail Pipe Remover	35
250	15.25	Tail Pipe Expander	35
251*	2.45	Distributor Point Tool	27
252*	5.30	Taper Reamer 1/8" - 1/2"	48
253*	8.00	Taper Reamer 7/16" - 1"	48
254*	9.20	Wheel Weight Plier	5 - 37
255	5.50	Muffler & Tailpipe Cutter	35
256*	3.60	Metal Cutter	35
258*	4.20	Taper Reamer 1/8" - 3/8"	48
259	21.00	Letter Stamp Set 3/16"	36
260	24.75	Letter Stamp Set 1/4"	36
261	7.35	Figure Stamp Set 3/16"	36
262	8.65	Figure Stamp Set 1/4"	36
263	5.30	Muffler & Tailpipe Remover	35
264*	3.65	Nylon Parts Cleaning Brush	9
265	2.00	Economy Parts Cleaning Brush	8
266	3.30	Standard Parts, Cleaning Brush	8
267*	9.20	Brake Spring Plier	5 - 37
268*	7.80	Lock Ring Plier	5 - 37
269*	2.80	Brake Spring Compressor	5
270*	1.95	Brake Cylinder Clamps (I pr.)	7
271*	2.85	Brk. Bldr. Wr. 7/16" - 3/8"	5 - 62
272*	2.50	Chevrolet Brake Spoon	6
273*	2.65	Brake Spoon	6
274*	4.00	One-Man Brake Bleeder	5
275*	2.65	Brk. Bldr. Wr. 1/4" - 3/8"	5 - 62
276*	2.80	Brake Bleeder 5/16" - 3/8"	5 - 62
277*	2.50	Brake Spring Retainer	6
278*	3.00	Bendix Brake Adjuster	6
279*	3.00	Bendix Brake Adj. Tool	6
280*	2.85	Notched Brake Spoon	6
282	7.45	Grease Cap Plier	37
284*	4.65	Angled Feeler Gauge (21 Blades)	22
285*	2.70	Magnet Pickup-6" Pocket	33
286*	4.60	Magnet Pickup 18" Flex.	33
288*	2.15	Ignition Feeler Gauge (16 Blades)	22
291*	9.10	Lock Ring Plier	7 - 37
293*	7.45	Grease Cap Puller	7 - 37

*Indicates Skin Pack

No.	Sugg. Trade	Description	Page
295*	3.80	Brake Spring Tool	6
296*	3.60	Metal Peeler	35
298*	1.30	Ratchet Spinner 3/8"	59
300*	6.10	Drill Grinding Attachment	51
304*	12.65	Drill Set (13 Drills)	51
330	.95	Allen Wren. .050" (Pkg. 10)	59
331	.95	Allen Wren. 1/16" (Pkg. 10)	59
332	.95	Allen Wren. 5/16" (Pkg. 10)	59
333	.95	Allen Wren. 3/32" (Pkg. 10)	59
334	.95	Allen Wren. 1/8" (pkg. 10)	59
335	.95	Allen Wren. 5/32" (Pkg. 10)	59
336	1.35	Allen Wren. 3/16" (Pkg. 10)	59
337	1.35	Allen Wren. 7/32" (Pkg. 10)	59
338	1.80	Allen Wren. 1/4" (Pkg. 10)	59
340*	2.30	Allen Wren. Set .050" - 1/4"	59
342*	2.05	Pocket All. Wr. Set .050"-3/16"	59
348*	2.55	Oil Filter Gasket Scraper	19 - 32
349*	1.80	All-Purpose Awl, O.A.L. 6"	36 - 57
350*	3.35	Carbon Scraper	19
351*	2.15	All-Purpose Awl, O.A.L. 9"	36
352*	3.05	Cotter Pin Puller	19
353*	1.50	Putty Knife	32
353-B	16.15	No. 353, Bulk Box of 12	32
354*	2.35	Putty Chisel	32
354-B	26.30	No. 354, Bulk Box of 12	32
355*	3.80	3" Putty Knife - Full Flex	4 - 32
356*	2.65	Utility Knife	32
356-1	.55	Utility Knife Blades (Pkg. 5)	32
358*	12.35	Disc Brake Caliper Hone	7
358-1	3.05	Replacement Stones (3)	7
358-2	1.35	Baff. Discs (3), 1-5/8", 2", 2-3/8"	7
359	10.65	Disc Brake Cyl. Comp.	7
360-N	22.50	Cyl. Glaze Breaker w/4" stones	18
361	7.80	Rep. Stones 3" for No. 360	18
361-N*	7.80	Rep. Stones 4" for No. 360-N.	18
362*	12.35	Brake Cylinder Hone.	7
363*	3.50	Rep. Stones (3) for No. 362	7
364	30.40	Ridge Reamer	18
365	6.95	Carbide Cutter for No. 364	18
366	5.20	Compact Jaws for No. 364	18
368	17.30	Ridge Reamer	18
368-1	5.65	Replacement Cutter Blade	18
400*	9.50	Tire Gauge	57
401*	3.60	Dual Foot Air Chuck	56
402*	1.45	Single Face Air Chuck	56
404*	6.10	Safety Blow Gun	56
405*	3.80	Blow Gun	56
407	11.65	Hack Saw	25
408*	2.50	Midget Hack Saw	25
408-1	3.45	Blades (10) for No. 408.	25
409	2.55	Hack Saw	25
410	6.35	Heavy Duty Hack Saw	25
412	27.80	Rethreading Die Kit	50
413*	4.70	Metric Rethreading Die Set	50
417	13.65	Rethreading Die Kit U.S.S.	50
418	13.65	Rethreading Die Kit S.A.E.	50
419	2.80	Ring Compressor	16
420*	5.10	Rethreading Die Kit U.S.S.	49
421*	5.10	Rethreading Die Kit S.A.E.	49
422*	5.50	Thread File	49
423*	5.50	Thread File	49
424*	6.00	Tap & Die Chaser Set	49
426*	6.45	Tap & Die Chaser Set U.S.S.	49
427*	6.45	Tap & Die Chaser Set S.A.E.	49
428*	6.80	Rethreading Die Kit U.S.S.	50
429*	6.80	Rethreading Die Kit S.A.E.	50
430	1.00	Screw Ext. 3/32" - 5/32"	51
431	1.05	Screw Ext. 5/32" - 7/32"	51
432	1.15	Screw Ext. 7/32" - 9/32"	51
433	1.35	Screw Ext. 9/32" - 3/8"	51
434	1.65	Screw Ext. 3/8" - 5/8"	51
438*	5.45	Screw Ext. Set 5/32" - 5/8"	51
439*	7.60	Wedge-Pruf Ext. Set 1/8"-1/4"	51
440*	7.60	Wedge-Pruf Set 9/32"-13/32".	51
441*	10.10	Tapered Screw Ext. 1/4"-5/8"	51

No.	Sugg. Trade	Description	Page
442	7.35	Flex. Carb. & Dist. Adj. Tool	10
443	1.45	Carb. Att. for No. 442	10
444	1.45	Dist. Att. for No. 442	10
445	2.85	Screw Starter Att. for No. 442	10
446	2.70	Magnet Att. for No. 442	10
447	14.85	Set Nos. 442, 443, 444, 445, 446	10
448	9.20	Set Nos. 442, 443, 444	10
452*	4.35	Hose Clamp Plier	37
453*	2.35	Two-in-one Dist. Tool	30
454*	3.60	Flex. Carb. & Dist. Adj. Tool	10 - 30
454-A	1.05	Sc. Driver Att. for No. 454	10 - 30
456*	2.65	Flex. Dist. Adj. Tool	10 - 30
459*	5.70	Carburetor Float Gauge	10
466*	12.65	Carburetor Adj. Gear Drive	10
468*	2.95	Air Holds O.H. Valve	19
473	30.50	Universal Joint Puller	41
491*	5.20	Hook Att. for Nos. 495, 595	44
492	23.60	Alternator Diode Tool	55
493	9.15	Alt. Brg. Kit for No. 492	55
494*	6.00	Swivel Adp. for Nos. 495, 595	44
495	11.50	Body Dent & Seal Puller	3 - 44
496	10.45	Yoke for No. 498	44
497	3.20	Axle Shaft Adp. for No. 498	44
498	23.65	Flange Type Axle Puller	44
501	12.80	Bearing Splitter 2¼"	41
503	28.95	Bearing Splitter 4½"	41
510	42.60	Coil Spring Compressor	24
514*	5.10	Thread Gauge	22
519*	4.35	Fan Blade Wrench	20
540	1.20	Battery Strap 17".	1
541	1.65	Battery Strap 24".	1
542	7.95	Battery Carrier.	1
543	22.50	Bush. Remover & Inst. Set H.D.	55
544	20.80	Bush. Remover & Inst. Set	55
545*	21.15	Hard Top Battery Tester	1 - 31
546	1.45	Battery Filler	1
547*	5.65	Battery Plier	2 - 38
548*	7.50	Battery Term. & Brg. Puller	2 - 45
549*	7.60	Batt. Term. Clamp Spreader	2 - 38
550	21.55	Battery Service Kit	1
551*	3.15	Batt. Post & Clamp Clnr. (Plas.)	2
552-B*	1.45	Batt. Booster Clamp (Black Hdnl.)	2
552-R*	1.45	Batt. Booster Clamp (Red Hdl.)	2
553*	3.70	Batt. Post & Clamp Clnr. (Met.)	2
555*	5.50	Battery Mate	1
559	20.00	Bearing Cup Driver	24
560	19.50	Leak-Check	13
560-1	3.65	Leak-Check Test Fluid	13
562*	9.85	Piston Groove Cleaner	17
562-1	2.80	No. 562 Reg. Cutter Wheel.	17
562-2	4.15	No. 562 Spec. Cutter Wheel	17
564	6.80	Ring Groove Cleaner	17
564-1	1.95	Cutter Wheel (564) 3/32"-3/16"	17
564-2	1.95	Cutter Wheel (564) 5/64"-3/16"	17
564-3	2.65	Cutter Wheel (564) 1/4" only	17
565	7.95	Fly Wheel Turner	20
566	5.60	Piston Ring Expander	17
567	5.60	Universal Piston Ring Comp.	17
568	2.50	"Speedo" Ring Comp.	16
568-A	4.95	"Speedo" Ring Comp. (Pair)	16
569	4.95	Universal Ring Comp.	16
569-T	5.50	Heavy duty Ring. Comp.	16
570	11.25	Jumbo Ring Comp.	16
572	2.55	Midget Ring Compressor	16
573*	13.45	Valve Spring Compressor	14
574	73.95	Air Operated Valve Lifter	15
575	23.05	Universal Valve Lifter	15
575-1	2.55	Sm. Straight Jaw Set (Pr.)	15
575-2	2.55	Med. Offset Jaw Set (Pr.)	15
575-3	2.55	Lg. Straight Jaw Set (Pr.)	15
576	17.95	"C" Clamp Valve Lifter	15
577	6.50	Small Engine Valve Lifter	15
578	7.80	"Shorty" Valve Lifter	15
579	5.10	Split Lock Replacer	15
580	16.65	Valve Sp. Comp. for Compacts	14

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No.	Sugg. Trade	Description	Page
582	11.25	Engine Chain Lift	20
584	11.25	Gasket & Hollow Punch Set	54
595	18.25	Body Dent Puller	3
596*	1.35	Dent Puller Adapter	3
597*	1.35	Dent Puller Adapter	3
598*	6.20	Dent Puller Spike Screw	3
599*	7.10	Dent Puller Magic Tip Screw	3
600*	12.00	Miniature Wrench Set	31 - 61
601	5.70	Distributor Wrench	62
602	5.70	Distributor Wrench	62
603	5.70	Distributor Wrench	62
604	5.70	Distributor Wrench	62
605	5.70	Distributor Wrench	62
606	3.45	Twistones 80 grit (Cd-12)	31
607	3.45	Twistones 120 grit (Cd-12)	31
608	3.45	Ignition Point File (Cd-12)	31
610*	15.50	Ignition Wrench Set (11 Pcs.)	31 - 61
623*	3.50	Adj. Mirror	34
624*	4.15	Adj. Mirror	34
625*	4.60	Adj. Mirror	34
626*	6.35	Inside-Outside Caliper	54
627*	1.55	Hook Scribe	36
640*	3.35	Metric Hex Key Wrench Set	59
650	11.25	Impact Wrench	60
650-S*	19.95	Impact Wrench Set	60
660*	4.95	4-in-1 Screwdriver	52
661*	4.95	4-in-1 Screwdriver	52
662*	4.95	4-in-1 Screwdriver	52
663*	4.95	4-in-1 Screwdriver	52
664*	5.60	4-in-1 Screwdriver	52
665*	5.60	Headlight Adj. Tool	52
668*	5.60	Magnet Screwdriver 7"	52
669*	6.00	Magnet Screwdriver 10"	52
670	7.00	Spark Plug Gapper	27
670-1	1.70	No. 670 Replacement Gauge	27
670-2	1.70	No. 670 Metric Gauge	27
680*	12.95	Flare Nut Wrench Set	59
681	3.80	Flare Nut Wrench 3/8" - 7/16"	59
682	4.35	Flare Nut Wrench 1/2" - 9/16"	59
683	5.20	Flare Nut Wrench 5/8" - 11/16"	59
695	39.00	Body Alignment Bar	3
714*	2.30	Flex. Mech. Finger 14"	33
715*	5.30	Flex. Mech. Finger 15"	33
1963	8.45	Crimping Tool w/Bolt Slicer	80
2400	99.25	Straight Line Puller Set	45
2403	39.00	Straight Line Puller 6"	45
2403-1	14.75	6" Yoke	45
2403-2	4.35	Center Screw	45
2405	46.75	Straight Line Puller 9"	45
2405-1	17.60	9" Yoke	45
2405-2	7.50	Center Screw	45
2407	16.50	Clevis Assembly (Pr.)	45
2411	10.20	Cap Screw Jaws (Pr.)	45
2412	8.35	4½" Jaws (Pr.)	45
2413	8.95	5½" Jaws (Pr.)	45
2414	10.35	8½" Jaws (Pr.)	45
2415	13.45	11" Jaws (Pr.)	45
2420	23.75	Differential Brg. Puller	45
RBM-7	40.45	Metric Ratcheting Wrench Set	60
M-0708	4.00	Rat. Wrench 7 MM & 8 MM	60
M-0910	4.50	Rat. Wrench 9 MM & 10 MM	60
M-1112	6.10	Rat. Wrench 11 MM & 12 MM	60
M-1314	6.10	Rat. Wrench 13 MM & 14 MM	60
M-1517	6.60	Rat. Wrench 15 MM & 17 MM	60
M-1618	6.60	Rat. Wrench 16 MM & 18 MM	60
M-1920	7.50	Rat. Wrench 19 MM & 20 MM	60

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Cal-Van Tools are guaranteed to perform the work for which they are designed and to last as long as is consistent with normal wear. Any tool found defective in workmanship or material must be returned to our central warehouse Toronto or direct to the Cal-Van factory transportation charges prepaid. We reserve the right to repair, replace or issue credit.

NOTE: Unless otherwise specified, prices listed are for one of each tool.

No.	Sugg. Trade	Description	Page
3*	10.80	Tune-up Kit	26
6*	9.85	Rear Main Seal Inst. Kit	13
7*	12.35	Rear Main Seal Inst. Kit	13
10	10.45	Timing Gear Puller	39
11*	4.80	Oil Filter Wrench-Compacts	13
12*	2.50	Shock Absorber Tool	24
13*	4.80	Oil Filter Wrench	13
14*	4.95	Oil Filter Wrench	13
15*	2.55	Oil Filter Wrench	13
16*	9.85	Oil Line Punch	13
17*	2.65	Head & Gasket Aligner	18
18*	4.95	Rocker Arm Oil Deflector	20
19	12.00	Stud Remover	39
22	9.20	Tie Rod Puller	39
23*	2.55	Mirror 1" round, 6" handle	34
24*	2.80	Mirror 1" x 2" oval, 6" handle	34
25*	4.35	Mirror 2" rd., ext. handle	34
26*	3.60	Valve Guide Reamer	18
27*	4.70	Mirror 2" x 3½" rec. ext.	34
28	18.90	Pilot Bearing Puller	39
29*	10.75	Clutch Aligning Tool Set	55
31	17.95	Bearing Puller	39
32*	11.25	Hydraulic Valve Lifter Tool	14
34	6.70	Battery Terminal Puller	1 - 39
35*	3.50	Door Handle Tool	4
36*	3.00	Door Handle Tool	4
37*	3.05	Door Handle Clip Remover	4
39*	4.15	Plier-Bezel Nut & Antenna Nut	4
40*	3.20	Tire Gauge	57
43*	1.45	Tire Valve & Car Air-Cond. Tool	57
45*	.70	Tire Valve Tool	57
46*	.85	E-Z-Out Tire Valve Tool	49 & 57
47*	.70	Tire Deflator-Core Remover	57
49	2.00	Hose "Y"	56
50*	2.15	Windshield Wiper Arm Tool	4

No.	Sugg. Trade	Description	Page
51	.35	Driveway Signal Hose (per ft.)	56
52	2.55	Hose Anchor	56
53*	3.80	Upholstery Clip Remover	4
54*	1.55	Spark Catcher	30
55*	8.65	Compression Tester	12
56	32.50	Comp. Test Kit w/adapters	12
57*	7.70	Neon Timing Light	12 - 30
58*	25.85	Comp. Tester Flex. Hose	12
59*	7.35	Brake Spring Plier	5 - 37
60*	1.20	6" Rule	54
61-S*	5.60	Remote Starter Switch	29
65*	3.00	Spark Plug Tester	29
65-A	.80	Bulb for No. 65 Tester	29
65-C	17.80	6 Pac No. 65 Tester (6 per card)	29
66*	3.85	Spark Plug Firing Indicator	29
66-A	.80	Bulb for No. 66 Tester	29
66-C	23.40	6 Pac No. 66 Tester (6 per card)	29
67*	4.15	Circuit Tester, Power On	29
67-A	.80	Bulb for No. 67 Tester	29
68-N*	4.15	Continuity Tester, Power Off	28
68-A	.80	Bulb for No. 68N	28
69*	12.65	Short Circuit Detector	28
71*	6.85	Alt.-Generator Current Ind.	28
72*	6.85	Starter Current Indicator	28
74*	12.10	Electric Marking Pencil	36
76*	9.35	Fuel Pump Vac. & Pres. Tester	12
81*	2.05	Phillips Screwdriver No. 1	53
82*	2.20	Phillips Screwdriver No. 2	53
83*	3.50	Phillips Screwdriver No. 3	53
84*	3.85	Phillips Screwdriver No. 4	53
85*	1.85	Phillips Screwdriver No. 1S	53
86*	2.05	Phillips Screwdriver No. 2S	53
87*	3.50	Phillips Screwdriver No. 1L	53
88*	3.85	Phillips Screwdriver No. 2L	53
90*	4.10	Rat. Wrench 1/4 - 5/16	60

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No.	Sugg. Trade	Description	Page
91*	4.50	Rat. Wrench 3/8 - 7/16	60
92*	6.00	Rat. Wrench 1/2 - 9/16	60
93*	6.45	Rat. Wrench 5/8 - 11/16	60
94*	6.45	Rat. Wrench 5/8 - 3/4	60
95*	7.45	Rat. Wrench 11/16 - 13/16	60
96*	7.45	Rat. Wrench 3/4 - 7/8	60
97*	8.35	Rat. Wrench 13/16 - 15/16	60
98	15.50	Rat. Wrench Set (3 pieces)	60
99	28.25	Rat. Wrench Set (5 pieces)	60
100	39.45	Rat. Wrench Set (7 pieces)	60
110*	2.65	1/4" Socket Holders	59
111*	2.65	3/8" Socket Holders	59
112*	2.65	1/2" Socket Holders	59
113*	7.45	Socket hld. set-1/4", 3/8", 1/2"	59
115*	12.65	Internal Wrench Set	62
124	8.85	16 oz. Soft Faced Hammer	26
125	14.10	32 oz. Soft Faced Hammer	26
126	12.35	Brass Hammer	26
127	7.20	Wheel Cover Rem. & Installer	26
130	20.45	Puller, 2 Jaw-7 in. Adj.	42
131	51.50	Puller, 2 Jaw-12 in. Adj.	42
132	56.60	Puller, 2 Jaw-14 in. Adj.	42
133	27.95	Puller, 3 Jaw-7 in. Adj.	43
139*	2.30	Headlight Adj. Spring Hook	52
140*	11.25	Stethoscope	19
141	1.05	Stethoscope Extension	19
142*	3.35	Taillight Rem. & Cleaner	9
143*	4.95	Spark Plug Plier	27
144*	3.60	Spark Plug Thread Chaser	27 - 49
145*	6.35	Spark Plug & Circuit Tester	29
145-A	.80	Neon Bulb for No. 145	29
145-B	.80	6 & 12 Volt Bulb for No. 145	29
148*	7.00	Internal Snap Ring Plier	38
149*	7.00	External Snap Ring Plier	38
150*	2.70	Wire Stripper	30
151*	3.35	Midget Tube Cutter	58
152*	2.30	Tube Bender	58
153	20.75	Metric Double Flaring Tool	58
155*	3.60	Screw Starter 6"	53
156*	3.85	Screw Starter 9"	53
158*	2.95	Screw Starter 2½"	53
159*	3.20	Screw Starter 5"	53
160*	3.80	Screw Starter 9"	53
161*	7.15	Tubing Cutter	58
161-A	1.35	Cutter Wheel for No. 161	58
162	9.70	Flaring Tool - 3/16" - 5/8"	58
163	19.10	Dbl. Flaring Tool - 3/16" - 1/2"	58
164*	3.15	Screw Starter 2½"	53
165*	3.85	Screw Starter 5" w/magnet	53
166*	4.60	Screw Starter 9" w/magnet	53
167*	2.80	Phillips Screw Starter 2½"	53
168*	3.00	Phillips Screw Starter 5"	53
169*	2.15	Distributor Cleaning Brush	9
170	12.60	Wire Wheel Brush 4" H.D.	8
171	14.00	Wire Wheel Brush 6" H.D.	8
172	20.50	Wire Wheel Brush 8" H.D.	8
174	10.35	Wire Wheel Brush 6" Stand.	8
175	15.60	Wire Wheel Brush 8" Stand.	8
176*	4.20	Rotary Cleaning Brush, Crimp	9
177*	5.70	Rotary Cleaning Brush, Spiral	9
178	1.30	Hand Scratch Brush	8
179	1.50	Hand Scratch Brush	8
180	1.80	Hand Scratch Brush	8
181	1.50	Hand Scratch Brush	8
183*	10.30	Nut Splitter	35
186	9.70	Pitman Arm Puller	23 - 40
187	11.10	Steering Wheel Puller	40
189	12.30	Harmonic Balancer Puller	40
190	8.80	Ball Joint Separator	41
191	9.20	Pitman Arm Wedge	41
192	21.15	Pulley Puller	14 - 40
193	13.00	Pulley Installer	14 - 40
194*	9.70	Pitman Arm Puller-Compacts	23
195*	15.80	Caster Camber Adjuster	23
200	7.20	Creeper Casters (4 per set)	11
205	15.25	Creeper (Pkg. 6 per box only)	11
208	7.45	Swirl Creeper Rollers (4 per set)	11
209	21.95	Creeper Seat	11
210	18.30	Creeper	11
211	27.50	Adjustable Creeper	11
212	23.40	Signal Bell-2 Conductor	56
213	28.15	Signal Bell Set-2 Conductor	56
214	24.80	Signal Bell Set-3 Conductor	56
215	1.35	Signal Bell Hose Splicer	56
219	11.30	Signal Bell Control Switch	56
220	5.30	Signal Bell Stricker Assembly	56
221*	3.60	Ignition Feeler Gauge	21
222*	5.45	Go-No-Go Feeler Gauge	21
223*	1.15	Spark Plug Gauge	21 - 27
224	27.20	Axle Rethreading Die	43 - 50
225*	2.65	Magnet Pick-up, 9"	33
226*	4.85	Magnet Pick-up, Adj. 16" - 26"	33
227*	2.95	Tappet and Ign. Feeler Gauge	21
228*	1.95	Ign. Feeler Gauge - 10 Blades	21
229*	1.80	Ign. Feeler Gauge - 10 blades	21
230*	3.60	Feeler Gauge, Gen. Purpose	22
231*	4.00	Metric Feeler Gauge - 13 blades	22
232*	1.95	Spark Plug Gauge	22
233*	2.70	Tappet Feeler Gauge	22
235	44.15	Hub Puller	41
Note: 236 & 237 Please Indicate Blade Thickness On Order			
236	5.10	12" Feeler Blades (Pkg. 10)	22
237	3.00	3 1/2" Feeler Blades (Pkg. 10)	22
238*	2.20	Test Lead Kit	27
240*	13.25	Puller, 2 Jaw, 4" Adj.	42
241	20.75	Puller, 2 Jaw, 6" Rev.	42
242	35.65	Puller, 2 Jaw, 8" Rev.	42
243	36.75	Puller, 2 Jaw, 10" Adj.	42
244	27.60	Puller, 3 Jaw, 6" Rev.	43
245	49.85	Puller, 3 Jaw, 8" Rev.	43
246	49.85	Puller, 3 Jaw, 10" Adj.	43
248	42.80	Slide Hammer Puller	44
249*	8.15	Tail Pipe Remover	35
250	15.25	Tail Pipe Expander	35
251*	2.45	Distributor Point Tool	27
252*	5.30	Taper Reamer 1/8" - 1/2"	48
253*	8.00	Taper Reamer 7/16" - 1"	48
254*	9.20	Wheel Weight Plier	5 - 37
255	5.50	Muffler & Tailpipe Cutter	35
256*	3.60	Metal Cutter	35
258*	4.20	Taper Reamer 1/8" - 3/8"	48
259	21.00	Letter Stamp Set 3/16"	36
260	24.75	Letter Stamp Set 1/4"	36
261	7.35	Figure Stamp Set 3/16"	36
262	8.65	Figure Stamp Set 1/4"	36
263	5.30	Muffler & Tailpipe Remover	35
264*	3.65	Nylon Parts Cleaning Brush	9
265	2.00	Economy Parts Cleaning Brush	8
266	3.30	Standard Parts, Cleaning Brush	8
267*	9.20	Brake Spring Plier	5 - 37
268*	7.80	Lock Ring Plier	5 - 37
269*	2.80	Brake Spring Compressor	5
270*	1.95	Brake Cylinder Clamps (I pr.)	7
271*	2.85	Brk. Bldr. Wr. 7/16" - 3/8"	5 - 62
272*	2.50	Chevrolet Brake Spoon	6
273*	2.65	Brake Spoon	6
274*	4.00	One-Man Brake Bleeder	5
275*	2.65	Brk. Bldr. Wr. 1/4" - 3/8"	5 - 62
276*	2.80	Brake Bleeder 5/16" - 3/8"	5 - 62
277*	2.50	Brake Spring Retainer	6
278*	3.00	Bendix Brake Adjuster	6
279*	3.00	Bendix Brake Adj. Tool	6
280*	2.85	Notched Brake Spoon	6
282	7.45	Grease Cap Plier	37
284*	4.65	Angled Feeler Gauge (21 Blades)	22
285*	2.70	Magnet Pickup-6" Pocket	33
286*	4.60	Magnet Pickup 18" Flex.	33
288*	2.15	Ignition Feeler Gauge (16 Blades)	22
291*	9.10	Lock Ring Plier	7 - 37
293*	7.45	Grease Cap Puller	7 - 37

*Indicates Skin Pack

No.	Sugg. Trade	Description	Page
295*	3.80	Brake Spring Tool	6
296*	3.60	Metal Peeler	35
298*	1.30	Ratchet Spinner 3/8"	59
300*	6.10	Drill Grinding Attachment	51
304*	12.65	Drill Set (13 Drills)	51
330	.95	Allen Wren. .050" (Pkg. 10)	59
331	.95	Allen Wren. 1/16" (Pkg. 10)	59
332	.95	Allen Wren. 5/16" (Pkg. 10)	59
333	.95	Allen Wren. 3/32" (Pkg. 10)	59
334	.95	Allen Wren. 1/8" (pkg. 10)	59
335	.95	Allen Wren. 5/32" (Pkg. 10)	59
336	1.35	Allen Wren. 3/16" (Pkg. 10)	59
337	1.35	Allen Wren. 7/32" (Pkg. 10)	59
338	1.80	Allen Wren. 1/4" (Pkg. 10)	59
340*	2.30	Allen Wren. Set .050" - 1/4"	59
342*	2.05	Pocket All. Wr. Set .050"-3/16"	59
348*	2.55	Oil Filter Gasket Scraper	19 - 32
349*	1.80	All-Purpose Awl, O.A.L. 6"	36 - 57
350*	3.35	Carbon Scraper	19
351*	2.15	All-Purpose Awl, O.A.L. 9"	36
352*	3.05	Cotter Pin Puller	19
353*	1.50	Putty Knife	32
353-B	16.15	No. 353, Bulk Box of 12	32
354*	2.35	Putty Chisel	32
354-B	26.30	No. 354, Bulk Box of 12	32
355*	3.80	3" Putty Knife - Full Flex	4 - 32
356*	2.65	Utility Knife	32
356-1	.55	Utility Knife Blades (Pkg. 5)	32
358*	12.35	Disc Brake Caliper Hone	7
358-1	3.05	Replacement Stones (3)	7
358-2	1.35	Baff. Discs (3), 1-5/8", 2", 2-3/8"	7
359	10.65	Disc Brake Cyl. Comp.	7
360-N	22.50	Cyl. Glaze Breaker w/4" stones	18
361	7.80	Rep. Stones 3" for No. 360	18
361-N*	7.80	Rep. Stones 4" for No. 360-N.	18
362*	12.35	Brake Cylinder Hone.	7
363*	3.50	Rep. Stones (3) for No. 362	7
364	30.40	Ridge Reamer	18
365	6.95	Carbide Cutter for No. 364	18
366	5.20	Compact Jaws for No. 364	18
368	17.30	Ridge Reamer	18
368-1	5.65	Replacement Cutter Blade	18
400*	9.50	Tire Gauge	57
401*	3.60	Dual Foot Air Chuck	56
402*	1.45	Single Face Air Chuck	56
404*	6.10	Safety Blow Gun	56
405*	3.80	Blow Gun	56
407	11.65	Hack Saw	25
408*	2.50	Midget Hack Saw	25
408-1	3.45	Blades (10) for No. 408.	25
409	2.55	Hack Saw	25
410	6.35	Heavy Duty Hack Saw	25
412	27.80	Rethreading Die Kit	50
413*	4.70	Metric Rethreading Die Set	50
417	13.65	Rethreading Die Kit U.S.S.	50
418	13.65	Rethreading Die Kit S.A.E.	50
419	2.80	Ring Compressor	16
420*	5.10	Rethreading Die Kit U.S.S.	49
421*	5.10	Rethreading Die Kit S.A.E.	49
422*	5.50	Thread File	49
423*	5.50	Thread File	49
424*	6.00	Tap & Die Chaser Set	49
426*	6.45	Tap & Die Chaser Set U.S.S.	49
427*	6.45	Tap & Die Chaser Set S.A.E.	49
428*	6.80	Rethreading Die Kit U.S.S.	50
429*	6.80	Rethreading Die Kit S.A.E.	50
430	1.00	Screw Ext. 3/32" - 5/32"	51
431	1.05	Screw Ext. 5/32" - 7/32"	51
432	1.15	Screw Ext. 7/32" - 9/32"	51
433	1.35	Screw Ext. 9/32" - 3/8"	51
434	1.65	Screw Ext. 3/8" - 5/8"	51
438*	5.45	Screw Ext. Set 5/32" - 5/8"	51
439*	7.60	Wedge-Pruf Ext. Set 1/8"-1/4"	51
440*	7.60	Wedge-Pruf Set 9/32"-13/32".	51
441*	10.10	Tapered Screw Ext. 1/4"-5/8"	51

No.	Sugg. Trade	Description	Page
442	7.35	Flex. Carb. & Dist. Adj. Tool	10
443	1.45	Carb. Att. for No. 442	10
444	1.45	Dist. Att. for No. 442	10
445	2.85	Screw Starter Att. for No. 442	10
446	2.70	Magnet Att. for No. 442	10
447	14.85	Set Nos. 442, 443, 444, 445, 446	10
448	9.20	Set Nos. 442, 443, 444	10
452*	4.35	Hose Clamp Plier	37
453*	2.35	Two-in-one Dist. Tool	30
454*	3.60	Flex. Carb. & Dist. Adj. Tool	10 - 30
454-A	1.05	Sc. Driver Att. for No. 454	10 - 30
456*	2.65	Flex. Dist. Adj. Tool	10 - 30
459*	5.70	Carburetor Float Gauge	10
466*	12.65	Carburetor Adj. Gear Drive	10
468*	2.95	Air Holds O.H. Valve	19
473	30.50	Universal Joint Puller	41
491*	5.20	Hook Att. for Nos. 495, 595	44
492	23.60	Alternator Diode Tool	55
493	9.15	Att. Brg. Kit for No. 492	55
494*	6.00	Swivel Adp. for Nos. 495, 595	44
495	11.50	Body Dent & Seal Puller	3 - 44
496	10.45	Yoke for No. 498	44
497	3.20	Axle Shaft Adp. for No. 498	44
498	23.65	Flange Type Axle Puller	44
501	12.80	Bearing Splitter 2¼"	41
503	28.95	Bearing Splitter 4½"	41
510	42.60	Coil Spring Compressor	24
514*	5.10	Thread Gauge	22
519*	4.35	Fan Blade Wrench	20
540	1.20	Battery Strap 17"	1
541	1.65	Battery Strap 24"	1
542	7.95	Battery Carrier.	1
543	22.50	Bush. Remover & Inst. Set H.D.	55
544	20.80	Bush. Remover & Inst. Set	55
545*	21.15	Hard Top Battery Tester	1 - 31
546	1.45	Battery Filler	1
547*	5.65	Battery Plier	2 - 38
548*	7.50	Battery Term. & Brg. Puller	2 - 45
549*	7.60	Batt. Term. Clamp Spreader	2 - 38
550	21.55	Battery Service Kit	1
551*	3.15	Batt. Post & Clamp Clnr. (Plas.)	2
552-B*	1.45	Batt. Booster Clamp (Black Hdnl.)	2
552-R*	1.45	Batt. Booster Clamp (Red Hdl.)	2
553*	3.70	Batt. Post & Clamp Clnr. (Met.)	2
555*	5.50	Battery Mate	1
559	20.00	Bearing Cup Driver	24
560	19.50	Leak-Check	13
560-1	3.65	Leak-Check Test Fluid	13
562*	9.85	Piston Groove Cleaner	17
562-1	2.80	No. 562 Reg. Cutter Wheel	17
562-2	4.15	No. 562 Spec. Cutter Wheel	17
564	6.80	Ring Groove Cleaner	17
564-1	1.95	Cutter Wheel (564) 3/32"-3/16"	17
564-2	1.95	Cutter Wheel (564) 5/64"-3/16"	17
564-3	2.65	Cutter Wheel (564) 1/4" only	17
565	7.95	Fly Wheel Turner	20
566	5.60	Piston Ring Expander	17
567	5.60	Universal Piston Ring Comp.	17
568	2.50	"Speedo" Ring Comp.	16
568-A	4.95	"Speedo" Ring Comp. (Pair)	16
569	4.95	Universal Ring Comp.	16
569-T	5.50	Heavy duty Ring. Comp.	16
570	11.25	Jumbo Ring Comp.	16
572	2.55	Midget Ring Compressor	16
573*	13.45	Valve Spring Compressor	14
574	73.95	Air Operated Valve Lifter	15
575	23.05	Universal Valve Lifter	15
575-1	2.55	Sm. Straight Jaw Set (Pr.)	15
575-2	2.55	Med. Offset Jaw Set (Pr.)	15
575-3	2.55	Lg. Straight Jaw Set (Pr.)	15
576	17.95	"C" Clamp Valve Lifter	15
577	6.50	Small Engine Valve Lifter	15
578	7.80	"Shorty" Valve Lifter	15
579	5.10	Split Lock Replacer	15
580	16.65	Valve Sp. Comp. for Compacts	14

*Indicates Skin Pack

No.	Sugg. Trade	Description	Page
582	11.25	Engine Chain Lift	20
584	11.25	Gasket & Hollow Punch Set	54
595	18.25	Body Dent Puller	3
596*	1.35	Dent Puller Adapter	3
597*	1.35	Dent Puller Adapter	3
598*	6.20	Dent Puller Spike Screw	3
599*	7.10	Dent Puller Magic Tip Screw	3
600*	12.00	Miniature Wrench Set	31 - 61
601	5.70	Distributor Wrench	62
602	5.70	Distributor Wrench	62
603	5.70	Distributor Wrench	62
604	5.70	Distributor Wrench	62
605	5.70	Distributor Wrench	62
606	3.45	Twistones 80 grit (Cd-12)	31
607	3.45	Twistones 120 grit (Cd-12)	31
608	3.45	Ignition Point File (Cd-12)	31
610*	15.50	Ignition Wrench Set (11 Pcs.)	31 - 61
623*	3.50	Adj. Mirror	34
624*	4.15	Adj. Mirror	34
625*	4.60	Adj. Mirror	34
626*	6.35	Inside-Outside Caliper	54
627*	1.55	Hook Scribe	36
640*	3.35	Metric Hex Key Wrench Set	59
650	11.25	Impact Wrench	60
650-S*	19.95	Impact Wrench Set	60
660*	4.95	4-in-1 Screwdriver	52
661*	4.95	4-in-1 Screwdriver	52
662*	4.95	4-in-1 Screwdriver	52
663*	4.95	4-in-1 Screwdriver	52
664*	5.60	4-in-1 Screwdriver	52
665*	5.60	Headlight Adj. Tool	52
668*	5.60	Magnet Screwdriver 7"	52
669*	6.00	Magnet Screwdriver 10"	52
670	7.00	Spark Plug Gapper	27
670-1	1.70	No. 670 Replacement Gauge	27
670-2	1.70	No. 670 Metric Gauge	27
680*	12.95	Flare Nut Wrench Set	59
681	3.80	Flare Nut Wrench 3/8" - 7/16"	59
682	4.35	Flare Nut Wrench 1/2" - 9/16"	59
683	5.20	Flare Nut Wrench 5/8" - 11/16"	59
695	39.00	Body Alignment Bar	3
714*	2.30	Flex. Mech. Finger 14"	33
715*	5.30	Flex. Mech. Finger 15"	33
1963	8.45	Crimping Tool w/Bolt Slicer	30
2400	99.25	Straight Line Puller Set	45
2403	39.00	Straight Line Puller 6"	45
2403-1	14.75	6" Yoke	45
2403-2	4.35	Center Screw	45
2405	46.75	Straight Line Puller 9"	45
2405-1	17.60	9" Yoke	45
2405-2	7.50	Center Screw	45
2407	16.50	Clevis Assembly (Pr.)	45
2411	10.20	Cap Screw Jaws (Pr.)	45
2412	8.35	4½" Jaws (Pr.)	45
2413	8.95	5½" Jaws (Pr.)	45
2414	10.35	8½" Jaws (Pr.)	45
2415	13.45	11" Jaws (Pr.)	45
2420	23.75	Differential Brg. Puller	45
RBM-7	40.45	Metric Ratcheting Wrench Set	60
M-0708	4.00	Rat. Wrench 7 MM & 8 MM	60
M-0910	4.50	Rat. Wrench 9 MM & 10 MM	60
M-1112	6.10	Rat. Wrench 11 MM & 12 MM	60
M-1314	6.10	Rat. Wrench 13 MM & 14 MM	60
M-1517	6.60	Rat. Wrench 15 MM & 17 MM	60
M-1618	6.60	Rat. Wrench 16 MM & 18 MM	60
M-1920	7.50	Rat. Wrench 19 MM & 20 MM	60

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Manufactured by:

CAL-VAN **Fremont, Ohio 43420**

EXCLUSIVE CANADIAN MARKETERS
MONAHAN SUPPLY CORPORATION LTD.
87 Colville Rd., Toronto 15, Ont.

P.L. No. 2814

CAL-VAN

CANADIAN JOBBER PRICE LIST No. 2813

Refer to Catalog No. 72

APRIL 1972

"SPECIAL USE TOOLS"

Supercedes
P.L. No. 2695 & 2725

SHIPPING TERMS: F.O.B. our central warehouse Toronto, Ontario. Freight paid on shipment of tools minimum net billing $100.00 or when combined with other M.S.C. products to make total shipment of 300 lbs.

PAY TERMS: 2% 10th prox., 30 days net.

RETURN OF MERCHANDISE: Tools and other Cal-Van products cannot be returned without written approval from M.S.C. Toronto.

Prices, discounts and terms are subject to change without notice.

GUARANTEE: Cal-Van Tools are guaranteed to perform the work for which they are designed and to last as long as is consistent with normal wear. Any tool found defective in workmanship or material must be returned to our central warehouse, Toronto or direct to the Cal-Van factory transportation charges prepaid. We reserve the right to repair, replace or issue credit.

Note: Unless otherwise specified, prices listed are for one of each tool.

DISPLAYS

	Jobber Net		
DB-102	116.25	Puller Display Board	Back Cover
DB-103	97.95	Carb. & Ignition Board	
DB-104	124.75	Puller Display Board	Back Cover
DB-105	205.75	Puller Display Board	Back Cover

	Jobber Net		
FD-1001	259.50	Carrousel	Back Cover
FD-3000	395.00	Carrousel	Back Cover
FD-3000K	99.50	Carrousel Kit	Back Cover
BR-500	99.50	Battery Tool Display	
CC-2000	123.50	Counter Carrousel	

No.	Sugg. Trade	Jobber Net	Description	Page
3*	10.80	7.55	Tune-up Kit	26
6*	9.85	6.90	Rear Main Seal Inst. Kit	13
7*	12.35	8.65	Rear Main Seal Inst. Kit	13
10	10.45	7.30	Timing Gear Puller	39
11*	4.80	3.35	Oil Filter Wrench-Compacts	13
12*	2.50	1.75	Shock Absorber Tool	24
13*	4.80	3.35	Oil Filter Wrench	13
14*	4.95	3.45	Oil Filter Wrench	13
15*	2.55	1.80	Oil Filter Wrench	13
16*	9.85	6.90	Oil Line Punch	13
17*	2.65	1.85	Head & Gasket Aligner	18
18*	4.95	3.45	Rocker Arm Oil Deflector	20
19	12.00	8.40	Stud Remover	39
22	9.20	6.45	Tie Rod Puller	39
23*	2.55	1.80	Mirror 1" round, 6" handle	34
24*	2.80	1.95	Mirror 1" x 2" oval, 6" handle	34
25*	4.35	3.05	Mirror 2" rd., ext. handle	34
26*	3.60	2.50	Valve Guide Reamer	18
27*	4.70	3.30	Mirror 2" x 3½" rec. ext.	34
28	18.90	13.20	Pilot Bearing Puller	39
29*	10.75	7.50	Clutch Aligning Tool Set	55
31	17.95	12.55	Bearing Puller	39
32*	11.25	7.85	Hydraulic Valve Lifter Tool	14
34	6.70	4.70	Battery Terminal Puller	1 - 39
35*	3.50	2.45	Door Handle Tool	4
36*	3.00	2.10	Door Handle Tool	4
37*	3.05	2.15	Door Handle Clip Remover	4
39*	4.15	2.90	Plier-Bezel Nut & Antenna Nut	4
40*	3.20	2.25	Tire Gauge	57
43*	1.45	1.00	Tire Valve & Car Air-Cond. Tool	57
45*	.70	.50	Tire Valve Tool	57
46*	.85	.60	E-Z-Out Tire Valve Tool	49 & 57
47*	.70	.50	Tire Deflator-Core Remover	57
49	2.00	1.40	Hose "Y"	56
50*	2.15	1.50	Windshield Wiper Arm Tool	4

*Indicates Skin Pack

No.	Sugg. Trade	Jobber Net	Description	Page
51	.35	.25	Driveway Signal Hose (per ft.)	56
52	2.55	1.80	Hose Anchor	56
53*	3.80	2.65	Upholstery Clip Remover	4
54*	1.55	1.10	Spark Catcher	30
55*	8.65	6.05	Compression Tester	12
56	32.50	24.25	Comp. Test Kit w/adapters	12
57*	7.70	5.40	Neon Timing Light	12 - 30
58*	25.85	19.30	Comp. Tester Flex. Hose	12
59*	7.35	5.15	Brake Spring Plier	5 - 37
60*	1.20	.85	6" Rule	54
61-S*	5.60	3.90	Remote Starter Switch	29
65*	3.00	2.10	Spark Plug Tester	29
65-A	.80	.55	Bulb for No. 65 Tester	29
65-C	17.80	12.45	6 Pac No. 65 Tester (6 per card)	29
66*	3.85	2.70	Spark Plug Firing Indicator	29
66-A	.80	.55	Bulb for No. 66 Tester	29
66-C	23.40	16.35	6 Pac No. 66 Tester (6 per card)	29
67*	4.15	2.90	Circuit Tester, Power On	29
67-A	.80	.55	Bulb for No. 67 Tester	29
68-N*	4.15	2.90	Continuity Tester, Power Off	28
68-A	.80	.55	Bulb for No. 68N	28
69*	12.65	8.85	Short Circuit Detector	28
71*	6.85	4.80	Alt.-Generator Current Ind.	28
72*	6.85	4.80	Starter Current Indicator	28
74*	12.10	8.45	Electric Marking Pencil	36
76*	9.35	6.55	Fuel Pump Vac. & Pres. Tester	12
81*	2.05	1.45	Phillips Screwdriver No. 1	53
82*	2.20	1.55	Phillips Screwdriver No. 2	53
83*	3.50	2.45	Phillips Screwdriver No. 3	53
84*	3.85	2.70	Phillips Screwdriver No. 4	53
85*	1.85	1.30	Phillips Screwdriver No. 1S	53
86*	2.05	1.45	Phillips Screwdriver No. 2S	53
87*	3.50	2.45	Phillips Screwdriver No. 1L	53
88*	3.85	2.70	Phillips Screwdriver No. 2L	53
90*	4.10	2.85	Rat. Wrench 1/4 - 5/16	60

No.	Sugg. Trade	Jobber Net	Description	Page
91*	4.50	3.15	Rat. Wrench 3/8 - 7/16	60
92*	6.00	4.20	Rat. Wrench 1/2 - 9/16	60
93*	6.45	4.50	Rat. Wrench 5/8 - 11/16	60
94*	6.45	4.50	Rat. Wrench 5/8 - 3/4	60
95*	7.45	5.20	Rat. Wrench 11/16 - 13/16	60
96*	7.45	5.20	Rat. Wrench 3/4 - 7/8	60
97*	8.35	5.85	Rat. Wrench 13/16 - 15/16	60
98	15.50	10.85	Rat. Wrench Set (3 pieces)	60
99	28.25	19.75	Rat. Wrench Set (5 pieces)	60
100	39.45	29.45	Rat. Wrench Set (7 pieces)	60
110*	2.65	1.85	1/4" Socket Holders	59
111*	2.65	1.85	3/8" Socket Holders	59
112*	2.65	1.85	1/2" Socket Holders	59
113*	7.45	5.20	Socket hld. set-1/4", 3/8", 1/2"	59
115*	12.65	8.85	Internal Wrench Set	62
124	8.85	6.20	16 oz. Soft Faced Hammer	26
125	14.10	9.85	32 oz. Soft Faced Hammer	26
126	12.35	8.65	Brass Hammer	26
127	7.20	5.05	Wheel Cover Rem. & Installer	26
130	20.45	14.30	Puller, 2 Jaw-7 in. Adj.	42
131	51.50	38.45	Puller, 2 Jaw-12 in. Adj.	42
132	56.60	42.25	Puller, 2 Jaw-14 in. Adj.	42
133	27.95	20.85	Puller, 3 Jaw-7 in. Adj.	43
139*	2.30	1.60	Headlight Adj. Spring Hook	52
140*	11.25	7.85	Stethoscope	19
141	1.05	.75	Stethoscope Extension	19
142*	3.35	2.35	Taillight Rem. & Cleaner	9
143*	4.95	3.45	Spark Plug Plier	27
144*	3.60	2.50	Spark Plug Thread Chaser	27 - 49
145*	6.35	4.45	Spark Plug & Circuit Tester	29
145-A	.80	.55	Neon Bulb for No. 145	29
145-B	.80	.55	6 & 12 Volt Bulb for No. 145	29
148*	7.00	4.90	Internal Snap Ring Plier	38
149*	7.00	4.90	External Snap Ring Plier	38
150*	2.70	1.90	Wire Stripper	30
151*	3.35	2.35	Midget Tube Cutter	58
152*	2.30	1.60	Tube Bender	58
153	20.75	14.50	Metric Double Flaring Tool	58
155*	3.60	2.50	Screw Starter 6"	53
156*	3.85	2.70	Screw Starter 9"	53
158*	2.95	2.05	Screw Starter 2½"	53
159*	3.20	2.25	Screw Starter 5"	53
160*	3.80	2.65	Screw Starter 9"	53
161*	7.15	5.00	Tubing Cutter	58
161-A	1.35	.95	Cutter Wheel for No. 161	58
162	9.70	6.80	Flaring Tool - 3/16" - 5/8"	58
163	19.10	13.35	Dbl. Flaring Tool - 3/16" - 1/2"	58
164*	3.15	2.20	Screw Starter 2½"	53
165*	3.85	2.70	Screw Starter 5" w/magnet	53
166*	4.60	3.20	Screw Starter 9" w/magnet	53
167*	2.80	1.95	Phillips Screw Starter 2½"	53
168*	3.00	2.10	Phillips Screw Starter 5"	53
169*	2.15	1.50	Distributor Cleaning Brush	9
170	12.60	8.80	Wire Wheel Brush 4" H.D.	8
171	14.00	9.80	Wire Wheel Brush 6" H.D.	8
172	20.50	14.35	Wire Wheel Brush 8" H.D.	8
174	10.35	7.25	Wire Wheel Brush 6" Stand.	8
175	15.60	10.90	Wire Wheel Brush 8" Stand.	8
176*	4.20	2.95	Rotary Cleaning Brush, Crimp	9
177*	5.70	4.00	Rotary Cleaning Brush, Spiral	9
178	1.30	.90	Hand Scratch Brush	8
179	1.50	1.05	Hand Scratch Brush	8
180	1.80	1.25	Hand Scratch Brush	8
181	1.50	1.05	Hand Scratch Brush	8
183*	10.30	7.20	Nut Splitter	35
186	9.70	6.80	Pitman Arm Puller	23 - 40
187	11.10	7.75	Steering Wheel Puller.	40
189	12.30	8.60	Harmonic Balancer Puller	40
190	8.80	6.15	Ball Joint Separator	41
191	9.20	6.45	Pitman Arm Wedge	41
192	21.15	14.80	Pulley Puller	14 - 40
193	13.00	9.10	Pulley Installer.	14 - 40
194*	9.70	6.80	Pitman Arm Puller-Compacts	23
195*	15.80	11.05	Caster Camber Adjuster.	23
200	7.20	5.05	Creeper Casters (4 per set)	11
205	15.25	10.65	Creeper (Pkg. 6 per box only)	11
208	7.45	5.20	Swirl Creeper Rollers (4 per set)	11
209	21.95	15.35	Creeper Seat	11
210	18.30	12.80	Creeper	11
211	27.50	19.30	Adjustable Creeper	11
212	23.40	16.35	Signal Bell-2 Conductor	56
213	28.15	19.70	Signal Bell Set-2 Conductor	56
214	24.80	17.35	Signal Bell Set-3 Conductor	56
215	1.35	.95	Signal Bell Hose Splicer	56
219	11.30	7.90	Signal Bell Control Switch	56
220	5.30	3.70	Signal Bell Stricker Assembly	56
221*	3.60	2.50	Ignition Feeler Gauge	21
222*	5.45	3.80	Go-No-Go Feeler Gauge	21
223*	1.15	.80	Spark Plug Gauge	21 - 27
224	27.20	20.30	Axle Rethreading Die	43 - 50
225*	2.65	1.85	Magnet Pick-up, 9"	33
226*	4.85	3.40	Magnet Pick-up, Adj. 16" - 26"	33
227*	2.95	2.05	Tappet and Ign. Feeler Gauge	21
228*	1.95	1.35	Ign. Feeler Gauge - 10 Blades	21
229*	1.80	1.25	Ign. Feeler Gauge - 10 blades	21
230*	3.60	2.50	Feeler Gauge, Gen. Purpose	22
231*	4.00	2.80	Metric Feeler Gauge - 13 blades	22
232*	1.95	1.35	Spark Plug Gauge	22
233*	2.70	1.90	Tappet Feeler Gauge	22
235	44.15	32.95	Hub Puller	41
Note: 236 & 237 Please Indicate Blade Thickness On Order				
236	5.10	3.55	12" Feeler Blades (Pkg. 10)	22
237	3.00	2.10	3 1/2" Feeler Blades (Pkg. 10)	22
238*	2.20	1.55	Test Lead Kit	27
240*	13.25	9.25	Puller, 2 Jaw, 4" Adj.	42
241	20.75	14.50	Puller, 2 Jaw, 6" Rev.	42
242	35.65	26.60	Puller, 2 Jaw, 8" Rev.	42
243	36.75	27.45	Puller, 2 Jaw, 10" Adj.	42
244	27.60	20.60	Puller, 3 Jaw, 6" Rev.	43
245	49.85	37.20	Puller, 3 Jaw, 8" Rev.	43
246	49.85	37.20	Puller, 3 Jaw, 10" Adj.	43
248	42.80	31.95	Slide Hammer Puller	44
249*	8.15	5.70	Tail Pipe Remover	35
250	15.25	10.75	Tail Pipe Expander	35
251*	2.45	1.70	Distributor Point Tool	27
252*	5.30	3.70	Taper Reamer 1/8" - 1/2"	48
253*	8.00	5.60	Taper Reamer 7/16" - 1"	48
254*	9.20	6.45	Wheel Weight Plier	5 - 37
255	5.50	3.85	Muffler & Tailpipe Cutter	35
256*	3.60	2.50	Metal Cutter	35
258*	4.20	2.95	Taper Reamer I/8" - 3/8"	48
259	21.00	14.85	Letter Stamp Set 3/16".	36
260	24.75	17.55	Letter Stamp Set 1/4"	36
261	7.35	5.15	Figure Stamp Set 3/16".	36
262	8.65	6.05	Figure Stamp Set 1/4"	36
263	5.30	3.70	Muffler & Tailpipe Remover	35
264*	3.65	2.55	Nylon Parts Cleaning Brush	9
265	2.00	1.40	Economy Parts Cleaning Brush	8
266	3.30	2.30	Standard Parts, Cleaning Brush	8
267*	9.20	6.45	Brake Spring Plier	5 - 37
268*	7.80	5.45	Lock Ring Plier	5 - 37
269*	2.80	1.95	Brake Spring Compressor	5
270*	1.95	1.35	Brake Cylinder Clamps (I pr.)	7
271*	2.85	2.00	Brk. Bldr. Wr. 7/16" - 3/8"	5 - 62
272*	2.50	1.75	Chevrolet Brake Spoon	6
273*	2.65	1.85	Brake Spoon	6
274*	4.00	2.80	One-Man Brake Bleeder	5
275*	2.65	1.85	Brk. Bldr. Wr. 1/4" - 3/8"	5 - 62
276*	2.80	1.95	Brake Bleeder 5/16" - 3/8".	5 - 62
277*	2.50	1.75	Brake Spring Retainer	6
278*	3.00	2.10	Bendix Brake Adjuster	6
279*	3.00	2.10	Bendix Brake Adj. Tool	6
280*	2.85	2.00	Notched Brake Spoon	6
282	7.45	5.20	Grease Cap Plier	37
284*	4.65	3.25	Angled Feeler Gauge (21 Blades)	22
285*	2.70	1.90	Magnet Pickup-6" Pocket	33
286*	4.60	3.20	Magnet Pickup 18" Flex.	33
288*	2.15	1.50	Ignition Feeler Gauge (16 Blades)	22
291*	9.10	6.35	Lock Ring Plier	7 - 37
293*	7.45	5.20	Grease Cap Puller	7 - 37

*Indicates Skin Pack

No.	Sugg. Trade	Jobber Net	Description	Page
295*	3.80	2.65	Brake Spring Tool	6
296*	3.60	2.50	Metal Peeler	35
298*	1.30	.90	Ratchet Spinner 3/8"	59
300*	6.10	4.25	Drill Grinding Attachment	51
304*	12.65	8.85	Drill Set (13 Drills)	51
330	.95	.65	Allen Wren. .050" (Pkg. 10)	59
331	.95	.65	Allen Wren. 1/16" (Pkg. 10)	59
332	.95	.65	Allen Wren. 5/16" (Pkg. 10)	59
333	.95	.65	Allen Wren. 3/32" (Pkg. 10)	59
334	.95	.65	Allen Wren. 1/8" (pkg. 10)	59
335	.95	.65	Allen Wren. 5/32" (Pkg. 10)	59
336	1.35	.95	Allen Wren. 3/16" (Pkg. 10)	59
337	1.35	.95	Allen Wren. 7/32" (Pkg. 10)	59
338	1.80	1.25	Allen Wren. 1/4" (Pkg. 10).	59
340*	2.30	1.60	Allen Wren. Set .050" - 1/4"	59
342*	2.05	1.45	Pocket All. Wr. Set .050"-3/16"	59
348*	2.55	1.80	Oil Filter Gasket Scraper	19 - 32
349*	1.80	1.25	All-Purpose Awl, O.A.L. 6"	36 - 57
350*	3.35	2.35	Carbon Scraper	19
351*	2.15	1.50	All-Purpose Awl, O.A.L. 9"	36
352*	3.05	2.15	Cotter Pin Puller	19
353*	1.50	1.05	Putty Knife.	32
353-B	16.15	11.30	No. 353, Bulk Box of 12	32
354*	2.35	1.65	Putty Chisel	32
354-B	26.30	18.40	No. 354, Bulk Box of 12	32
355*	3.80	2.65	3" Putty Knife - Full Flex	4 - 32
356*	2.65	1.85	Utility Knife	32
356-1	.55	.40	Utility Knife Blades (Pkg. 5)	32
358*	12.35	8.65	Disc Brake Caliper Hone	7
358-1	3.05	2.15	Replacement Stones (3)	7
358-2	1.35	.95	Baff. Discs (3), 1-5/8", 2", 2-3/8"	7
359	10.65	7.45	Disc Brake Cyl. Comp.	7
360-N	22.50	15.80	Cyl. Glaze Breaker w/4" stones	18
361	7.80	5.45	Rep. Stones 3" for No. 360	18
361-N*	7.80	5.45	Rep. Stones 4" for No. 360-N.	18
362*	12.35	8.65	Brake Cylinder Hone.	7
363*	3.50	2.45	Rep. Stones (3) for No. 362	7
364	30.40	22.70	Ridge Reamer	18
365	6.95	4.85	Carbide Cutter for No. 364	18
366	5.20	3.65	Compact Jaws for No. 364	18
368	17.30	12.10	Ridge Reamer	18
368-1	5.65	3.95	Replacement Cutter Blade	18
400*	9.50	6.65	Tire Gauge	57
401*	3.60	2.50	Dual Foot Air Chuck	56
402*	1.45	1.00	Single Face Air Chuck	56
404*	6.10	4.25	Safety Blow Gun	56
405*	3.80	2.65	Blow Gun	56
407	11.65	8.15	Hack Saw	25
408*	2.50	1.75	Midget Hack Saw	25
408-1	3.45	2.40	Blades (10) for No. 408.	25
409	2.55	1.80	Hack Saw	25
410	6.35	4.45	Heavy Duty Hack Saw	25
412	27.80	20.75	Rethreading Die Kit	50
413*	4.70	3.30	Metric Rethreading Die Set	50
417	13.65	9.55	Rethreading Die Kit U.S.S.	50
418	13.65	9.55	Rethreading Die Kit S.A.E.	50
419	2.80	1.95	Ring Compressor	16
420*	5.10	3.55	Rethreading Die Kit U.S.S.	49
421*	5.10	3.55	Rethreading Die Kit S.A.E.	49
422*	5.50	3.85	Thread File.	49
423*	5.50	3.85	Thread File.	49
424*	6.00	4.20	Tap & Die Chaser Set	49
426*	6.45	4.50	Tap & Die Chaser Set U.S.S.	49
427*	6.45	4.50	Tap & Die Chaser Set S.A.E.	49
428*	6.80	4.75	Rethreading Die Kit U.S.S.	50
429*	6.80	4.75	Rethreading Die Kit S.A.E.	50
430	1.00	.70	Screw Ext. 3/32" - 5/32"	51
431	1.05	.75	Screw Ext. 5/32" - 7/32"	51
432	1.15	.80	Screw Ext. 7/32" - 9/32"	51
433	1.35	.95	Screw Ext. 9/32" - 3/8"	51
434	1.65	1.15	Screw Ext. 3/8" - 5/8"	51
438*	5.45	3.80	Screw Ext. Set 5/32" - 5/8"	51
439*	7.60	5.30	Wedge-Pruf Ext. Set 1/8"-1/4"	51
440*	7.60	5.30	Wedge-Pruf Set 9/32"-13/32".	51
441*	10.10	7.05	Tapered Screw Ext. 1/4"-5/8"	51
442	7.35	5.15	Flex. Carb. & Dist. Adj. Tool	10
443	1.45	1.00	Carb. Att. for No. 442	10
444	1.45	1.00	Dist. Att. for No. 442	10
445	2.85	2.00	Screw Starter Att. for No. 442	10
446	2.70	1.90	Magnet Att. for No. 442	10
447	14.85	10.40	Set Nos. 442, 443, 444, 445, 446	10
448	9.20	6.45	Set Nos. 442, 443, 444	10
452*	4.35	3.05	Hose Clamp Plier	37
453*	2.35	1.65	Two-in-one Dist. Tool	30
454*	3.60	2.50	Flex. Carb. & Dist. Adj. Tool	10 - 30
454-A	1.05	.75	Sc. Driver Att. for No. 454	10 - 30
456*	2.65	1.85	Flex. Dist. Adj. Tool	10 - 30
459*	5.70	4.00	Carburetor Float Gauge.	10
466*	12.65	8.85	Carburetor Adj. Gear Drive.	10
468*	2.95	2.05	Air Holds O.H. Valve	19
473	30.50	22.75	Universal Joint Puller	41
491*	5.20	3.65	Hook Att. for Nos. 495, 595	44
492	23.60	17.60	Alternator Diode Tool	55
493	9.15	6.40	Alt. Brg. Kit for No. 492	55
494*	6.00	4.20	Swivel Adp. for Nos. 495, 595	44
495	11.50	8.05	Body Dent & Seal Puller	3 - 44
496	10.45	7.30	Yoke for No. 498	44
497	3.20	2.25	Axle Shaft Adp. for No. 498	44
498	23.65	17.65	Flange Type Axle Puller	44
501	12.80	8.95	Bearing Splitter 2¼".	41
503	28.95	21.60	Bearing Splitter 4½".	41
510	42.60	31.80	Coil Spring Compressor	24
514*	5.10	3.55	Thread Gauge	22
519*	4.35	3.05	Fan Blade Wrench	20
540	1.20	.85	Battery Strap 17".	1
541	1.65	1.15	Battery Strap 24".	1
542	7.95	5.55	Battery Carrier.	1
543	22.50	15.75	Bush. Remover & Inst. Set H.D.	55
544	20.80	14.55	Bush. Remover & Inst. Set.	55
545*	21.15	14.80	Hard Top Battery Tester	1 - 31
546	1.45	1.00	Battery Filler	1
547*	5.65	3.95	Battery Plier	2 - 38
548*	7.50	5.25	Battery Term. & Brg. Puller	2 - 45
549*	7.60	5.30	Batt. Term. Clamp Spreader	2 - 38
550	21.55	16.10	Battery Service Kit	1
551*	3.15	2.20	Batt. Post & Clamp Clnr. (Plas.)	2
552-B*	1.45	1.00	Batt. Booster Clamp (Black Hdnl.)	2
552-R*	1.45	1.00	Batt. Booster Clamp (Red Hdl.)	2
553*	3.70	2.60	Batt. Post & Clamp Clnr. (Met.)	2
555*	5.50	3.85	Battery Mate	1
559	20.00	14.10	Bearing Cup Driver	24
560	19.50	13.70	Leak-Check.	13
560-1	3.65	2.55	Leak-Check Test Fluid	13
562*	9.85	6.90	Piston Groove Cleaner	17
562-1	2.80	1.95	No. 562 Reg. Cutter Wheel.	17
562-2	4.15	2.90	No. 562 Spec. Cutter Wheel	17
564	6.80	4.75	Ring Groove Cleaner.	17
564-1	1.95	1.35	Cutter Wheel (564) 3/32"-3/16"	17
564-2	1.95	1.35	Cutter Wheel (564) 5/64"-3/16"	17
564-3	2.65	1.85	Cutter Wheel (564) 1/4" only	17
565	7.95	5.55	Fly Wheel Turner	20
566	5.60	3.90	Piston Ring Expander	17
567	5.60	3.90	Universal Piston Ring Comp.	17
568	2.50	1.75	"Speedo" Ring Comp.	16
568-A	4.95	3.45	"Speedo" Ring Comp. (Pair)	16
569	4.95	3.45	Universal Ring Comp.	16
569-T	5.50	3.85	Heavy duty Ring. Comp.	16
570	11.25	7.85	Jumbo Ring Comp.	16
572	2.55	1.80	Midget Ring Compressor	16
573*	13.45	9.40	Valve Spring Compressor	14
574	73.95	55.25	Air Operated Valve Lifter	15
575	23.05	17.20	Universal Valve Lifter	15
575-1	2.55	1.80	Sm. Straight Jaw Set (Pr.)	15
575-2	2.55	1.80	Med. Offset Jaw Set (Pr.)	15
575-3	2.55	1.80	Lg. Straight Jaw Set (Pr.)	15
576	17.95	12.65	"C" Clamp Valve Lifter.	15
577	6.50	4.55	Small Engine Valve Lifter	15
578	7.80	5.45	"Shorty" Valve Lifter	15
579	5.10	3.55	Split Lock Replacer	15
580	16.65	11.65	Valve Sp. Comp. for Compacts	14

*Indicates Skin Pack

No.	Sugg. Trade	Jobber Net	Description	Page
582	11.25	7.85	Engine Chain Lift.	20
584	11.25	7.85	Gasket & Hollow Punch Set	54
595	18.25	12.80	Body Dent Puller	3
596*	1.35	.95	Dent Puller Adapter	3
597*	1.35	.95	Dent Puller Adapter	3
598*	6.20	4.35	Dent Puller Spike Screw.	3
599*	7.10	4.95	Dent Puller Magic Tip Screw	3
600*	12.00	8.40	Miniature Wrench Set	31 - 61
601	5.70	4.00	Distributor Wrench	62
602	5.70	4.00	Distributor Wrench	62
603	5.70	4.00	Distributor Wrench	62
604	5.70	4.00	Distributor Wrench	62
605	5.70	4.00	Distributor Wrench	62
606	3.45	2.40	Twistones 80 grit (Cd-12).	31
607	3.45	2.40	Twistones 120 grit (Cd-12)	31
608	3.45	2.40	Ignition Point File (Cd-12)	31
610*	15.50	10.85	Ignition Wrench Set (11 Pcs.)	31 - 61
623*	3.50	2.45	Adj. Mirror	34
624*	4.15	2.90	Adj. Mirror	34
625*	4.60	3.20	Adj. Mirror	34
626*	6.35	4.45	Inside-Outside Caliper	54
627*	1.55	1.10	Hook Scribe	36
640*	3.35	2.35	Metric Hex Key Wrench Set	59
650	11.25	7.85	Impact Wrench	60
650-S*	19.95	13.95	Impact Wrench Set	60
660*	4.95	3.45	4-in-1 Screwdriver.	52
661*	4.95	3.45	4-in-1 Screwdriver.	52
662*	4.95	3.45	4-in-1 Screwdriver.	52
663*	4.95	3.45	4-in-1 Screwdriver.	52
664*	5.60	3.90	4-in-1 Screwdriver.	52
665*	5.60	3.90	Headlight Adj. Tool	52
668*	5.60	3.90	Magnet Screwdriver 7"	52
669*	6.00	4.20	Magnet Screwdriver 10".	52
670	7.00	4.90	Spark Plug Gapper	27
670-1	1.70	1.20	No. 670 Replacement Gauge	27
670-2	1.70	1.20	No. 670 Metric Gauge	27
680*	12.95	9.15	Flare Nut Wrench Set	59
681	3.80	2.65	Flare Nut Wrench 3/8" - 7/16"	59
682	4.35	3.05	Flare Nut Wrench 1/2" - 9/16"	59
683	5.20	3.65	Flare Nut Wrench 5/8" - 11/16"	59
695	39.00	29.20	Body Alignment Bar	3
714*	2.30	1.60	Flex. Mech. Finger 14"	33
715*	5.30	3.70	Flex. Mech. Finger 15"	33
1963	8.45	5.90	Crimping Tool w/Bolt Slicer	30
2400	99.25	74.15	Straight Line Puller Set	45
2403	39.00	29.20	Straight Line Puller 6"	45
2403-1	14.75	10.40	6" Yoke	45
2403-2	4.35	3.05	Center Screw	45
2405	46.75	34.95	Straight Line Puller 9"	45
2405-1	17.60	13.15	9" Yoke	45
2405-2	7.50	5.25	Center Screw	45
2407	16.50	11.80	Clevis Assembly (Pr.).	45
2411	10.20	7.15	Cap Screw Jaws (Pr.).	45
2412	8.35	5.85	4½" Jaws (Pr.).	45
2413	8.95	6.25	5½" Jaws (Pr.).	45
2414	10.35	7.25	8½" Jaws (Pr.).	45
2415	13.45	9.40	11" Jaws (Pr.)	45
2420	23.75	17.75	Differential Brg. Puller	45
RBM-7	40.45	30.20	Metric Ratcheting Wrench Set.	60
M-0708	4.00	2.80	Rat. Wrench 7 MM & 8 MM	60
M-0910	4.50	3.15	Rat. Wrench 9 MM & 10 MM	60
M-1112	6.10	4.25	Rat. Wrench 11 MM & 12 MM.	60
M-1314	6.10	4.25	Rat. Wrench 13 MM & 14 MM.	60
M-1517	6.60	4.60	Rat. Wrench 15 MM & 17 MM.	60
M-1618	6.60	4.60	Rat. Wrench 16 MM & 18 MM.	60
M-1920	7.50	5.25	Rat. Wrench 19 MM & 20 MM.	60

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Manufactured by:

CAL-VAN Fremont, Ohio 43420

EXCLUSIVE CANADIAN MARKETERS
MONAHAN
SUPPLY CORPORATION LTD.
87 Colville Rd., Toronto 15, Ont.

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